Web Supplement (Not for Publication)
"Two Centuries of Systemic Bank Runs"

July 2025

B Web Supplement

Contents

B.1 Banking Crisis Definitions in Canonical Papers

Baron et al. (2021)

Banking crisis

> "Our conceptual definition of a banking crisis is an episode in which the banking sector's ability to intermediate funds is severely impaired. Because equity holders are the first to suffer losses from a banking crisis that damages banks' intermediation capacity, we assume that conceptually, a large bank equity decline is necessary for a banking crisis."

Panics

> "By panics, we mean episodes of severe and sudden withdrawals of funding by bank creditors from a significant part of the banking system. We assume that panics are a subset of banking crises, because not all banking crises necessarily feature panics."

Bank equity crash

> "We define a 'bank equity crash' as an annual bank equity decline of over 30%. We separate these bank equity crashes into panic versus non-panic episodes based on a systematic reading of the narrative evidence for each of these episodes. We define panics as episodes of severe and sudden withdrawals of funding by bank creditors from a significant part of the banking system, which could include withdrawals of funding from insolvent banks or illiquid but fundamentally solvent banks."

Laeven and Valencia (2018)

Systemic Banking Crisis

> "In a systemic banking crisis, a country's corporate and financial sectors experience a large number of defaults and financial institutions and corporations face great difficulties repaying contracts on time. As a result, non-performing loans increase sharply and all or most of the aggregate banking system capital is exhausted. This situation may be accompanied by depressed asset prices (such as equity and real estate prices) on the heels of run-ups before the crisis,

sharp increases in real interest rates, and a slowdown or reversal in capital flows. In some cases, the crisis is triggered by depositor runs on banks, though in most cases it is a general realization that systemically important financial institutions are in distress.

A banking crisis as an event that meets two conditions:

1. Significant signs of financial distress in the banking system (as indicated by significant bank runs, losses in the banking system, and/or bank liquidations).

2. Significant banking policy intervention measures in response to significant losses in the banking system."

Reinhart and Rogoff (2009)

"We mark a banking crisis by two types of events:

1. bank runs that lead to the closure, merging, or takeover by the public sector of one or more financial institutions and

2. if there are no runs, the closure, merging, take-over, or large-scale government assistance of an important financial institution (or group of institutions) that marks the start of a string of similar outcomes for other financial institutions."

Jordà et al. (2017)

Banking distress

"An episode of banking distress is coded as a systemic banking crisis if it is characterized by major bank failures, banking panics, substantial losses in the banking sector, significant recapitalization, and/or significant government intervention. Importantly, this definition excludes the failures or losses of individual/small banks without systemic implications from being coded as a crisis episode."

B.2 Comparison with Banking Panic Dates from Baron et al. (2021)

Tables B.1 and B.2 outline, on a case-by-case basis, where our narrative classification of bank runs differs from the banking panic dates in Baron et al. (2021). There are two types of cases: bank runs in our chronology that are *not* classified as panics by Baron et al. (2021), and banking panics in Baron et al. (2021) that are not classified as bank runs in our chronology.

In short, these discrepancies mainly arise for three reasons. First, we sometimes identified unambiguous cases of runs, but they were not classified as such by Baron et al., sometimes because their interpretation is that these runs were not widespread. Second, we sometimes find incidences of runs that do not overlap with their banking crisis definitions, and are thus outside of the scope of their classification. Third, they sometimes classify episodes as panics if they are wholesale (rather than retail) runs, which leads to a slight difference in classification.

Table B.1: Bank runs in JKMS that are *not* classified as panics in Baron et al. (2021)

ISO	Year	Classified as crisis in Baron et al. (2021)	Description of discrepancy
ARG	1876		Sufficient evidence of a bank run
AUS	1974	Yes	While recorded as a banking crisis by Baron et al. (2021), they do not treat it as a panic: "Although there was stress in the banking system, there is no further indication in the literature for a banking crisis (in the strict sense of a "bank") in or around 1974." We marked it as run because there is evidence of runs on building societies in New South Wales, Victoria, Queensland, and South Australia, according to a publication by the Reserve Bank of Australia.
AUS	1977	No	Sufficient evidence of a bank run
AUS	1979	No	Sufficient evidence of a bank run
AUT	1924	Yes	Sufficient evidence of a bank run
BEL	1925	Yes	Sufficient evidence of a bank run
BEL	1934		Sufficient evidence of a bank run
CAN	1893		Sufficient evidence of a bank run
CAN	1996		Sufficient evidence of a bank run
CHL	1895		Sufficient evidence of a bank run
COL	1982	Yes	Sufficient evidence of a bank run
CZE	1931	Yes	Sufficient evidence of a bank run
DEU	1911		Sufficient evidence of a bank run
DNK	1992	Yes	Sufficient evidence of a bank run
ESP	1994	Yes	Baron et al. (2021) classified ESP 1991 as a banking crisis, but not as a panic. The source cited by Baron et al. (2021) is The New York Times (1993), which does not record the bank run in 1994. Baron et al. (2021) argue that, aside from Banesto's funding issues, there is no evidence of a broader banking panic, and the crisis was resolved with a government bailout.
HKG	1961		Sufficient evidence of a bank run

Table B.1 (continued)

ISO	Year	Classified as crisis in Baron et al. (2021)	Description of discrepancy
HKG	2008	Yes	Baron et al. (2021) mentioned that there was a "classic depositor run" on the Bank of East Asia in September 2008, but they do not treat that as either a crisis or panic because of relatively quick regulatory action by the Hong Kong Monetary Authority. Because the evidence of a run is clear, we treat it as a run episode.
NLD	1921	Yes	Sufficient evidence of a bank run
PHL	1968		Sufficient evidence of a bank run
PHL	1977		Sufficient evidence of a bank run
PHL	2000	Yes	Sufficient evidence of a bank run
PRT	1935		Sufficient evidence of a bank run
RUS	1905		Sufficient evidence of a bank run
SGP	1974		Baron et al. (2021) record this as an episode of a 30% or larger decline in bank equity prices but do not treat it as a narrative crisis or panic. We have evidence of a bank run in 1974.
SWE	1932	Yes	Sufficient evidence of a bank run
TUR	1895		Sufficient evidence of a bank run
TWN	1998	Yes	Sufficient evidence of a bank run
TWN	2000	Yes	Sufficient evidence of a bank run
TWN	2007	Yes	Sufficient evidence of a bank run
USA	1896		Sufficient evidence of a bank run
USA	1974	Yes	Sufficient evidence of a bank run
USA	1991	Yes	Sufficient evidence of a bank run
USA	1992	Yes	Sufficient evidence of a bank run
ZAF	1997		Sufficient evidence of a bank run
ZAF	2002		Sufficient evidence of a bank run

Table B.2: Banking panics in Baron et al. (2021) that are *not* classified as bank runs

ISO	Year	Wholesale funding run?	Description of discrepancy
ARG	1930		Baron et al. (2021) include Argentina in 1930 as a panic to be conservative. However, Conde (2010) explicitly states that bank runs were averted by early regulatory intervention. Due to the insufficient evidence of an actual run, we decided not to include this case in our database.
AUT	2008	Yes	Insufficient evidence of a retail bank run, despite clear issues with regard to interbank funding.
BEL	1876		Baron et al. (2021) included the Belgium 1876 case as a panic to be conservative. Only the fear of a run was recorded by Buyst and Myers, and we have found no other evidence of a bank run.
BEL	1883		Insufficient evidence of a run
BEL	1939		Insufficient evidence of a run
BEL	2008	Yes	Insufficient evidence of a retail bank run, despite the global drying up of interbank liquidity.
BRA	1890		Demand deposits drop was due to withdrawal of notes out of circulation. The banking crisis was triggered by high inflation and a collapse of the exchange rate. Demand deposits plummeted by 50%, according to Triner (2000).
BRA	1929		Insufficient evidence of a run
BRA	1985		Insufficient evidence of a run
CHE	2008	Yes	Insufficient evidence of a retail bank run, despite the global drying up of interbank liquidity.
CHL	1925		Baron et al. (2021) included Chile 1925 case as a panic to be conservative, since the second largest bank Banco Español de Chile failed and was restructured in 1925-1926. However there is no sufficient evidence of a retail bank run during this time.
CHL	1931		Insufficient evidence of a run
COL	1931		According to White (2015), the confidence of local depositors was generally maintained, and the drop in deposits likely resulted from foreign outflows.
DNK	1885		Insufficient evidence of a run
DNK	2008	Yes	Insufficient evidence of a retail bank run, despite the global drying up of interbank liquidity.
ESP	1882		Insufficient evidence of a run
ESP	1890		Insufficient evidence of a run
FIN	1990	Yes	Insufficient evidence of a retail bank run, despite clear issues with regard to interbank funding.

Table B.2 (continued)

ISO	Year	Wholesale funding run?	Description of discrepancy
FRA	2008	Yes	Insufficient evidence of a retail bank run, despite clear issues with regard to interbank funding.
GBR	1890		Insufficient evidence of a run, which was likely averted due to early regulatory action.
GBR	1991	Yes	According to Basel Committee on Banking Supervision (2004), despite a reshuffling of deposits from smaller banks to larger ones, there is insufficient evidence of an all-out run. As such, any additional liquidity issues may also have stemmed from interbank funding issues.
GRC	2008		While Greece experienced a major financial crisis that would later be associated with bank runs (in 2015), we found no evidence that these runs already started in 2008. Instead, there was a drying up of wholesale funding liquidity around that time.
HUN	2008	Yes	Insufficient evidence of a retail bank run, despite the global drying up of interbank liquidity.
ISL	1920		Insufficient evidence of a run
ISL	1930		Insufficient evidence of a run
ITA	1873		Insufficient evidence of a run
ITA	1889		Insufficient evidence of a run
ITA	2008	Yes	Despite the drying up of global interbank liquidity, we have found no evidence of retail bank runs.
JPN	1882		Insufficient evidence of a run
JPN	1890		Insufficient evidence of a run
KOR	1997	Yes	According to Kim (2006), in late 1997, Korea encountered severe liquidity problems as foreign banks, especially American and Japanese ones, stopped renewing loans. This situation forced the Korean government to deplete its limited foreign currency reserves to cover short-term financial obligations. Facing escalating financial instability, Korea sought IMF assistance in November 1997. The initial bailout agreement with the IMF, reached on December 3, 1997, promised a $58.4 billion package, with funds disbursed conditionally over an extended period. However, the initially available funds were insufficient, prompting renegotiations and a restructuring deal by March 1998 that restructured nearly 95% of Korea's short-term debt.
LUX	2008	Yes	Despite the drying up of global interbank liquidity, we have found no evidence of retail bank runs.
MEX	1893		Insufficient evidence of a run
MEX	1981		Despite well-documented fears of a bank run (The New York Times (1981)), we did not find sufficient evidence of the actual occurrence of runs

Table B.2 (continued)

ISO	Year	Wholesale funding run?	Description of discrepancy
NLD	1907		Insufficient evidence of a run
NOR	1987		Insufficient evidence of a run
NOR	2008	Yes	Despite the drying up of global interbank liquidity, we have found no evidence of retail bank runs.
PER	1876		In the 1876 banking case in Peru, there's no explicit mention of a bank run occurring. According to Carlos Marichal (2023), and Zegarra (2013), a severe financial strain and a critical liquidity situation reported by several banks to the government, which led to the suspension of the redemption of banknotes for specie. This governmental intervention effectively prevented potential widespread bank runs by maintaining public confidence and avoiding immediate cash withdrawals from the banks.
PER	1931		Insufficient evidence of a run
PRT	2008	Yes	Despite the drying up of global interbank liquidity, we have found no evidence of retail bank runs.
RUS	1995	Yes	Considerable evidence of a wholesale bank run and drying up of liquidity, but insufficient evidence of a retail bank run.
SWE	2008	Yes	Despite the drying up of global interbank liquidity, we have found no evidence of retail bank runs.
TUR	1994		Insufficient evidence of a run
USA	1890	Yes	Insufficient evidence of a retail bank run, despite clear issues with regard to interbank funding.
VEN	1981		Insufficient evidence of a run
ZAF	1881		Insufficient evidence of a run

B.3 Output Responses for Alternative Systemic Run Definitions

Our baseline definition of a systemic bank run is the intersection of narrative evidence of a bank run with an aggregate outflow of nominal deposits from the banking sector (total deposits, demand deposits, or time deposits) within a one-year time window around the run. In this section, we evaluate the robustness of our baseline classification procedure by using alternative thresholds for quantifying drawdowns in aggregate deposits.

We first consider the responses of key macroeconomic outcomes to systemic runs when setting the quantitative threshold for determining systemic runs to be either (i) any contraction, (ii) a contraction of 5%, (iii) a contraction of 10%, or (iv) a contraction of 15%. Figure B.1 plots the set of impulse responses of real GDP growth, real deposit growth, real credit growth, and deposits-to-GDP to the respective alternative systemic bank run definitions using local projections. We make two observations. First, the adverse effects of systemic runs are stronger when conditioning on larger deposit contractions. Second, the magnitudes of the responses of all four variables are very similar and remain statistically significant.

In a second exercise, we define systemic runs by using the same four threshold values from the previous exercise, but using real instead of nominal deposit growth rates. Figure B.2 plots the results. The results do not meaningfully differ from those we obtain using nominal deposit growth rates.

One concern may be that conditioning on absolute values of negative growth rates (in percent) as threshold values for defining systemic runs may not account for heterogeneity in the volatility of deposit growth rates across countries. To address this concern, for the third exercise, we define systemic bank runs as the overlap of narrative run episodes with an indicator for growth in any type of nominal deposits that is (i) one standard deviation below the country mean, (ii) one-and-a-half standard deviations below the country mean, or (iii) two standard deviations below the country mean. Both the average deposit growth rate and its standard deviation can vary significantly across historical periods. To account for this, we compute each country's mean and standard deviation separately for each half-century.

Figure B.3 plots the results. The magnitudes of the macroeconomic effects in response to systemic runs are all very similar. Under all specifications, we observe a significant drop in real GDP. A run with narrative evidence and a deposit growth rate two standard deviations below the country mean is rare, however, which results in wider error bands on the medium-to-long horizon.

As a fourth exercise, we again use the same absolute threshold values in percent as in the first exercise ($< 0\%$, $< -5\%$, $< -10\%$,$< -15\%$), but now detrend nominal deposit

growth rates *by country* by using a three-year backward-looking moving average. The results in Figure B.4 show that the estimates are qualitatively similar.

For the fifth exercise, we vary the time window around bank runs that we use to classify systemic runs based on deposit contractions. We use two alternative definitions. The first alternative classifies a bank run as systemic only if there was a deposit contraction in any deposit category in the exact year for which we have narrative evidence of a run. The second alternative allows for a two-year window around the run (rather than a one-year window as in our baseline definition). Figure B.5 plots the set of impulse responses using the different definitions. We find somewhat stronger contractions in deposits when classifying runs as systemic when they are associated with a contemporaneous drop in deposits, but smaller effects in terms of GDP. The results for the systemic run definitions using a one-year or two-year window are nearly identical.

Another concern may be that some periods of aggregate deposit withdrawals are only visible in higher-frequency deposit data. For example, a bank run from our chronology that coincides with an aggregate deposit contraction in the month of the run might still be associated with a positive deposit growth rate in our annual data if multiple months of larger deposit inflows preceded the run. To address this concern, we classify bank runs as systemic by using monthly deposit growth rates. We then compare the macroeconomic aftermath under our baseline definition, which uses annual data, with the macroeconomic aftermath of narrative bank runs that coincide with monthly deposit contractions. For our analysis, we define episodes of monthly deposit contractions in two different ways: either (i) an episode of negative nominal year-on-year deposit growth rates in any one of the three different deposit categories—total deposits, demand deposits, and time deposits—or (ii) an episode of nominal deposit growth rates below the 1^{st} percentile of the deposit growth rate distribution in any one of the three different deposit categories.

We plot the results in Figure B.6. The macroeconomic aftermath of systemic runs classified using monthly deposit data does not differ much from that following systemic runs classified using annual deposit data.

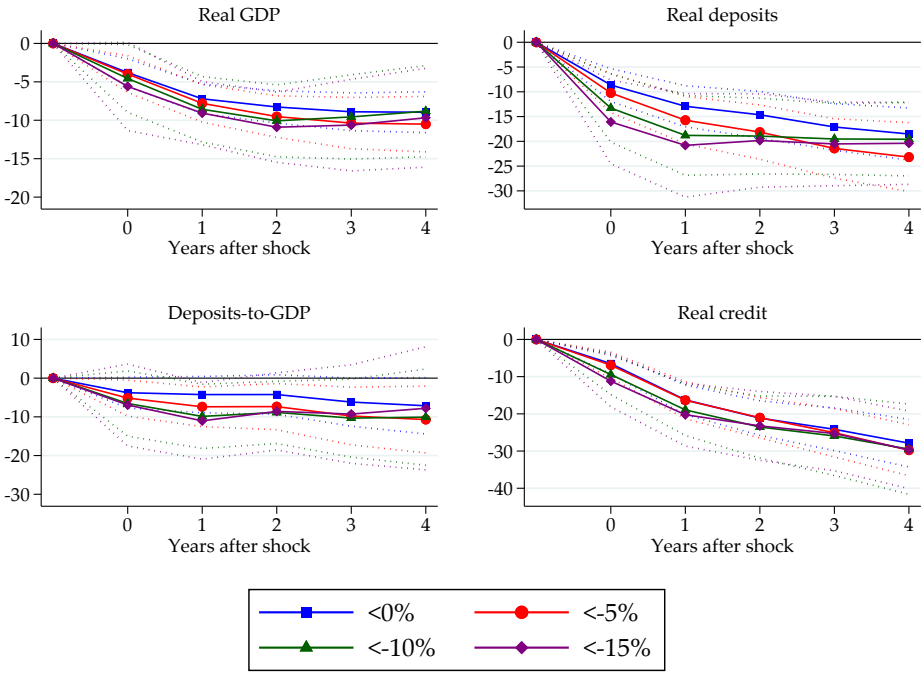
Next, we focus on the subset of bank runs that coincide with contractions in the credit-to-deposit ratio. One concern may be that the observed contraction in real credit around systemic runs is not caused by liability-side disruptions (i.e., outflows of deposits). Instead, one may argue that the observed deposit outflows might be preceded by contractions in credit. To rule out the possibility that our main results are driven by asset-side disruptions preceding the bank run, we define a new category of bank runs: a narrative bank run from our chronology that coincides with any contraction in the credit-to-deposit ratio within a one-year time window around the year of the run. Figure B.7 compares

the macroeconomic aftermath of a run that coincides with credit-to-deposit contractions with our baseline definition of systemic bank runs. Bank runs that coincide with contractions in the credit-to-deposit ratio are characterized by deposit outflows and output losses that are 50% smaller compared to systemic runs that coincide with contractions in nominal deposits. We do not observe a significant difference in the contraction of real credit between both run classifications. We take these findings as evidence that our systemic run definition—narrative bank runs from our chronology that coincide with contractions in aggregate deposits—indeed captures systemic liability-side disruptions of a country's banking system that are not triggered by the asset side of banks.

Finally, we test the robustness of the differences in output losses around systemic runs and non-systemic runs by including potential false negatives in our set of 316 narrative bank runs. In particular, we add all banking crises for which we did not find evidence of a bank run as potential false negatives. We end up with a total number of 549 potential bank runs.

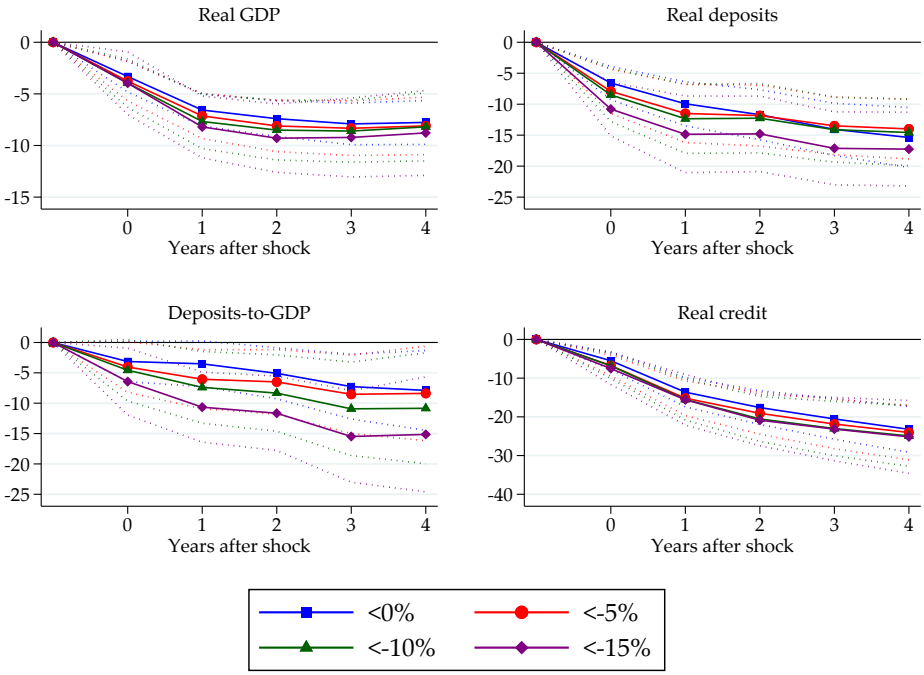
Figure B.8 visualizes the output losses around systemic bank runs and non-systemic bank runs. Under both definitions of narrative bank runs, output losses around systemic bank runs are always more severe than losses around non-systemic run episodes.

Figure B.1: Macroeconomic Aftermath of Systemic Bank Runs—Absolute Thresholds



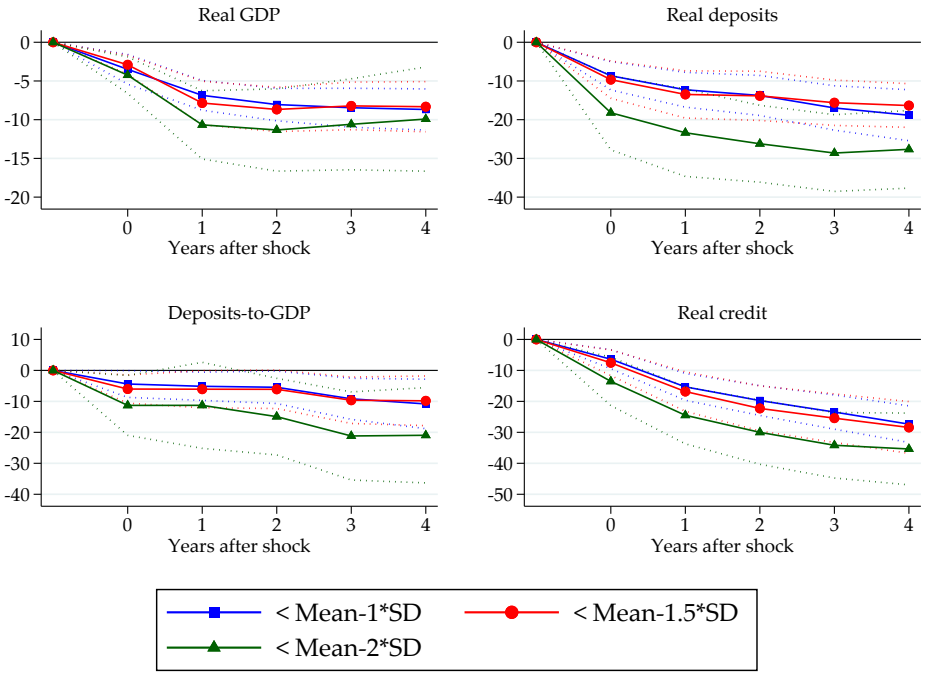
Notes: These figures plot the impulse response functions of real GDP, real deposits, real credit, and deposits-to-GDP to a systemic bank run in any one of the three different deposit categories: total deposits, demand deposits, and time deposits. The estimates are based on the local projection specified in (1), and are probed for robustness to changes in our definition of systemic bank runs. We define systemic bank runs as a narrative run accompanied by either (i) a nominal deposit contraction (blue lines), (ii) a nominal deposit contraction larger than 5% (red lines), (iii) a nominal deposit contraction larger than 10% (green lines), or (iv) a nominal deposit contraction larger than 15% (purple lines). The dotted bands depict 95% confidence bands based on standard errors double-clustered by country and year.

Figure B.2: Macroeconomic Aftermath of Systemic Bank Runs—Real Deposit Growth



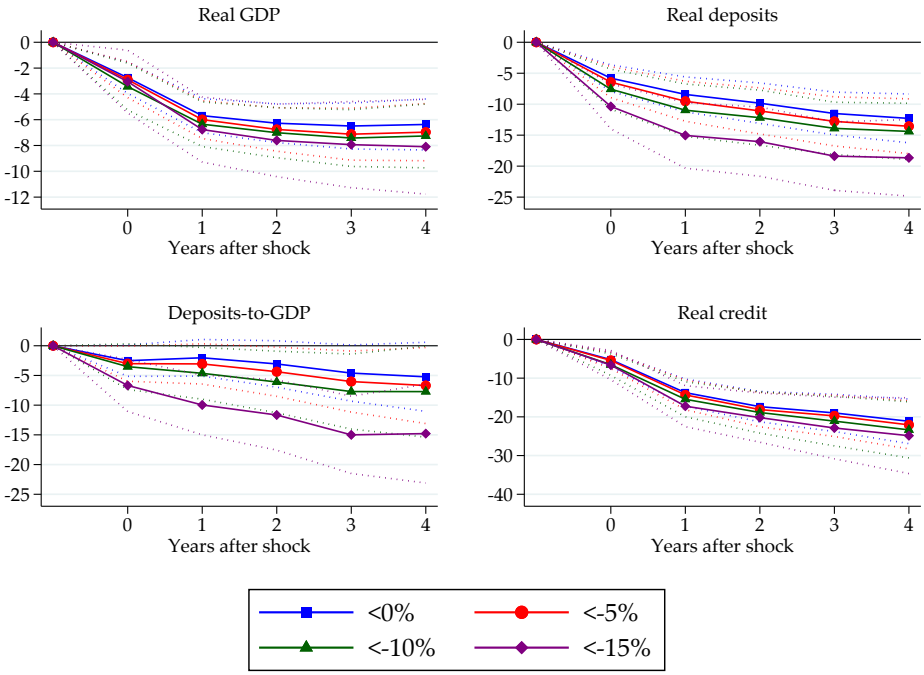
Notes: These figures plot the impulse response functions of real GDP, real deposits, real credit, and deposits-to-GDP to a systemic bank run in any one of the three different deposit categories: total deposits, demand deposits, and time deposits. The estimates are based on the local projection specified in (1), and are probed for robustness to changes in our definition of systemic bank runs. We define systemic bank runs as a narrative run accompanied by either (i) a real deposit contraction (blue lines), (ii) a real deposit contraction larger than 5% (red lines), (iii) a real deposit contraction larger than 10% (green lines), or (iv) a real deposit contraction larger than 15% (purple lines). The dotted bands depict 95% confidence bands based on standard errors double-clustered by country and year.

Figure B.3: Macroeconomic Aftermath of Systemic Bank Runs—Relative Thresholds



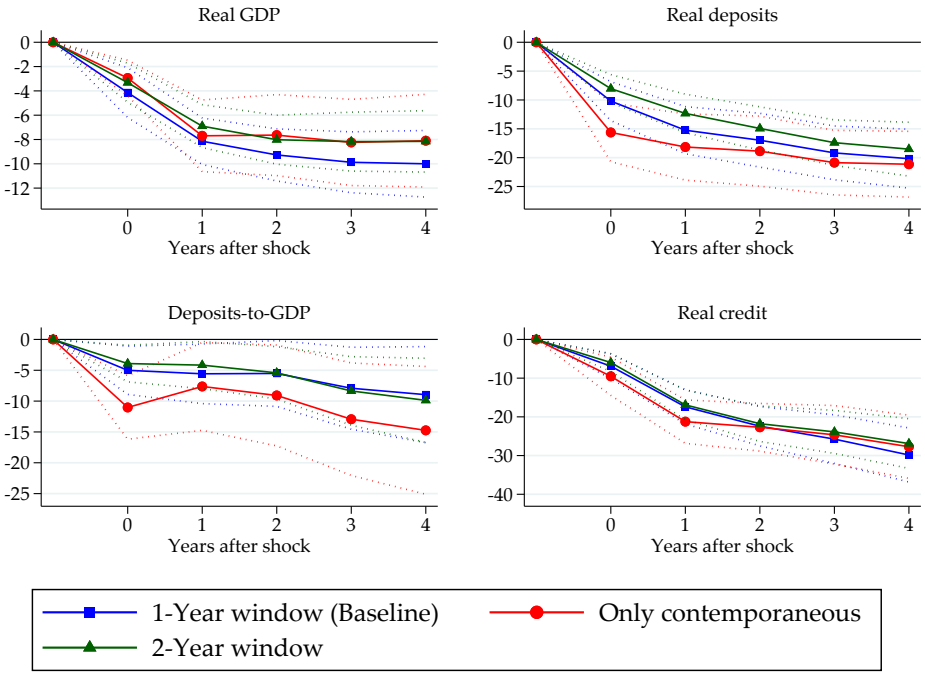
Notes: These figures plot the impulse response functions of real GDP, real deposits, real credit, and deposits-to-GDP to a systemic bank run in any one of the three different deposit categories: total deposits, demand deposits, and time deposits. The estimates are based on the local projection specified in (1), and are probed for robustness to changes in our definition of systemic bank runs. We define systemic bank runs as a narrative run accompanied by either (i) a nominal deposit growth rate one standard deviation below the country's mean growth rate (blue lines), (ii) a nominal deposit growth rate one-and-a-half standard deviations below the country's mean growth rate (red lines), or (iii) a nominal deposit growth rate two standard deviations below the country's mean growth rate (green lines). We calculate a country's mean and standard deviation for each half-century separately. The dotted bands depict 95% confidence bands based on standard errors double-clustered by country and year.

Figure B.4: Macroeconomic Aftermath of Systemic Bank Runs—Detrended Deposits



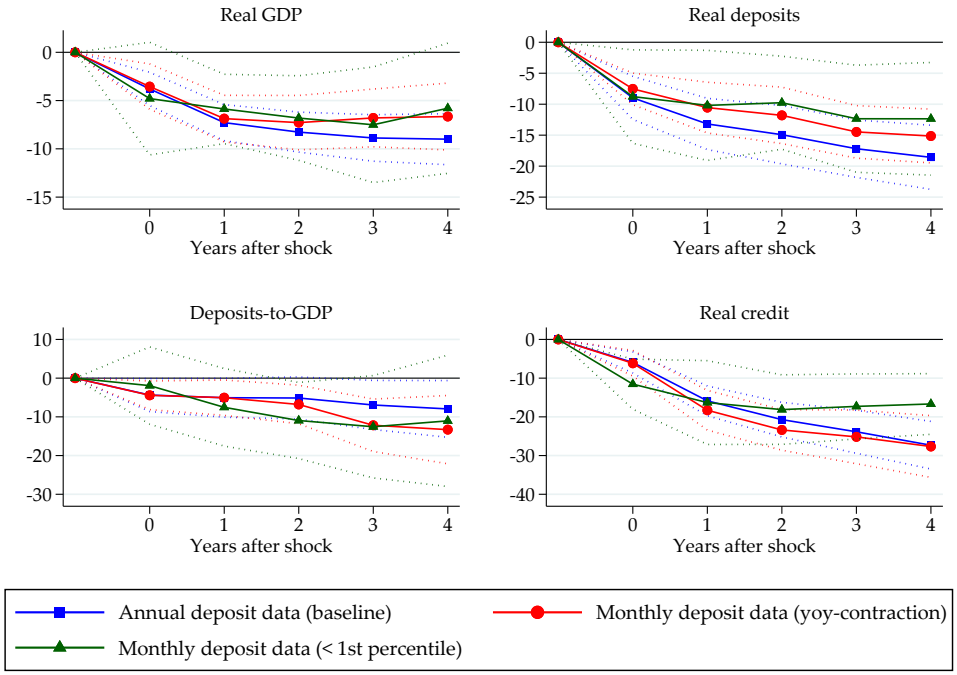
Notes: These figures plot the impulse response functions of real GDP, real deposits, real credit, and deposits-to-GDP to a systemic bank run in any one of the three different deposit categories: total deposits, demand deposits, and time deposits. The estimates are based on the local projection specified in (1), and are probed for robustness to changes in our definition of systemic bank runs. We define systemic bank runs as a narrative run accompanied by either (i) a nominal contraction in detrended deposits (blue lines), (ii) a nominal contraction in detrended deposits larger than 5% (red lines), (iii) a nominal contraction in detrended deposits larger than 10% (green lines), or (iv) a nominal contraction in detrended deposits larger than 15% (purple lines). We detrend nominal deposit growth rates by country by using a three-year backward-looking moving average. The dotted bands depict 95% confidence bands based on standard errors double-clustered by country and year.

Figure B.5: Macroeconomic Aftermath of Systemic Bank Runs—Alternative Windows



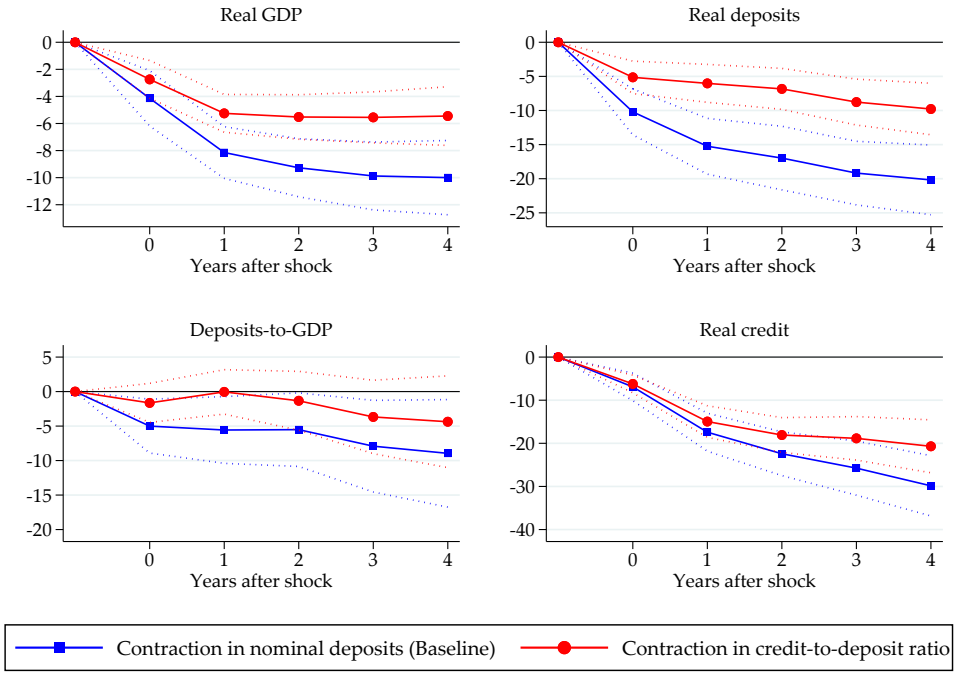
Notes: These figures plot the impulse response functions of real GDP, real deposits, real credit, and deposits-to-GDP to a systemic bank run in any one of the three different deposit categories: total deposits, demand deposits, and time deposits. The estimates are based on the local projection specified in (1), and are probed for robustness to changes in our definition of systemic bank runs. We define systemic bank runs as a narrative run accompanied by either (i) a nominal deposit contraction within one year around the run (blue lines), (ii) a nominal deposit contraction in the same year of the run (red lines), or (iii) a nominal deposit contraction within two years around the run (green lines). The dotted bands depict 95% confidence bands based on standard errors double-clustered by country and year.

Figure B.6: Macroeconomic Aftermath of Systemic Bank Runs—Monthly Deposits



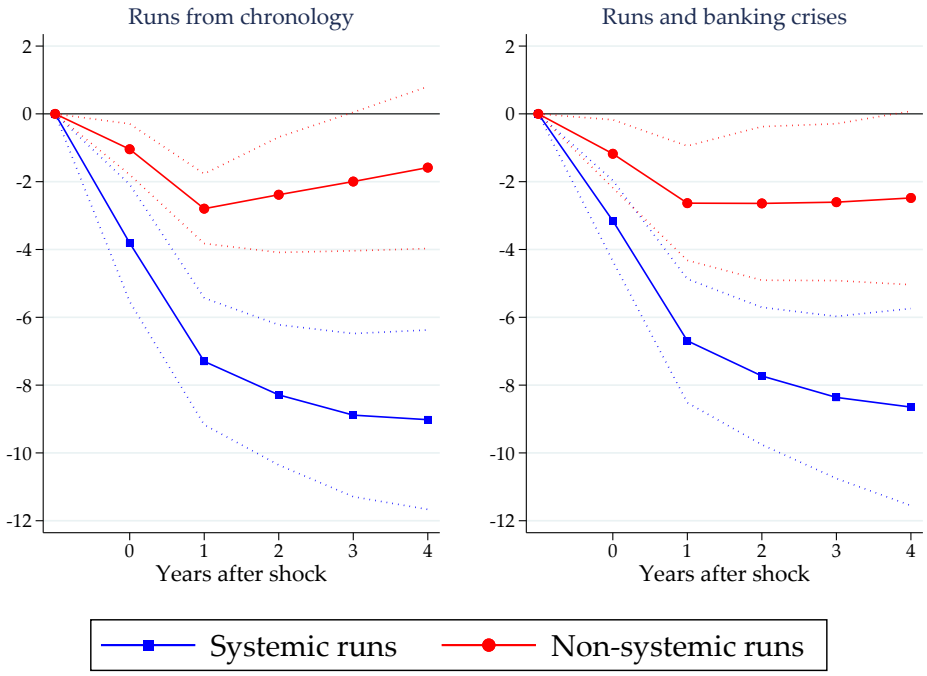
Notes: These figures plot the impulse response functions of real GDP, real deposits, real credit, and deposits-to-GDP to a systemic bank run in any one of the three different deposit categories: total deposits, demand deposits, and time deposits. The estimates are based on the local projection specified in (1), and are probed for robustness to changes in our definition of systemic bank runs. We define systemic bank runs as a narrative run accompanied by either (i) a nominal deposit contraction within one year using annual-frequency data (blue lines), (ii) a nominal year-on-year deposit contraction using monthly-frequency data (red lines), or (iii) a nominal deposit growth rate below the 1st percentile using monthly-frequency data (green lines). The dotted bands depict 95% confidence bands based on standard errors double-clustered by country and year.

Figure B.7: Macroeconomic Aftermath of Systemic Bank Runs—Credit-to-Deposit



Notes: These figures plot the impulse response functions of real GDP, real deposits, real credit, and deposits-to-GDP to a systemic bank run. The estimates are based on the local projection specified in (1), and are probed for robustness to changes in our definition of systemic bank runs. We define systemic bank runs as narrative runs that are accompanied by either (i) a nominal contraction in at least one of the three deposit categories—total deposits, demand deposits, or time deposits—within one year (blue lines), or (ii) a contraction in the credit-to-deposit ratio within one year (red lines). The dotted bands depict 95% confidence bands based on standard errors double-clustered by country and year.

Figure B.8: Output Losses Around Systemic Bank Runs—Testing for False Negatives



Notes: These figures plot the impulse response functions of real GDP growth rates for systemic bank runs (blue line) and non-systemic bank runs. The estimates are based on the local projection specified in (1), and are probed for robustness to the inclusion of potential false negatives into our bank run chronology. In the first panel, we use the 316 from our bank run chronology. In the second panel, we classify all 316 runs and all banking crises episodes as bank run candidates. We define systemic bank runs as a bank run candidate accompanied by a nominal deposit contraction within one year. The dotted bands depict 95% confidence bands based on standard errors double-clustered by country and year.

B.4 Where Does Money Flow During Bank Runs?

What happens to the overall flow of funds in the economy during bank runs, and where do withdrawn deposits end up? We now investigate these issues by analyzing two systemic bank run episodes in the United States: the Great Depression and the early 1990s recession. Leveraging higher-frequency data, we provide insights into the movement of funds during these pivotal events.

We focus on the exact timing of deposit contractions during the Great Depression. Because deposit insurance was not introduced until 1933, this episode also lends itself as a comparison group to more recent run episodes, where we will focus on the financial distress associated with the early 1990s recession.

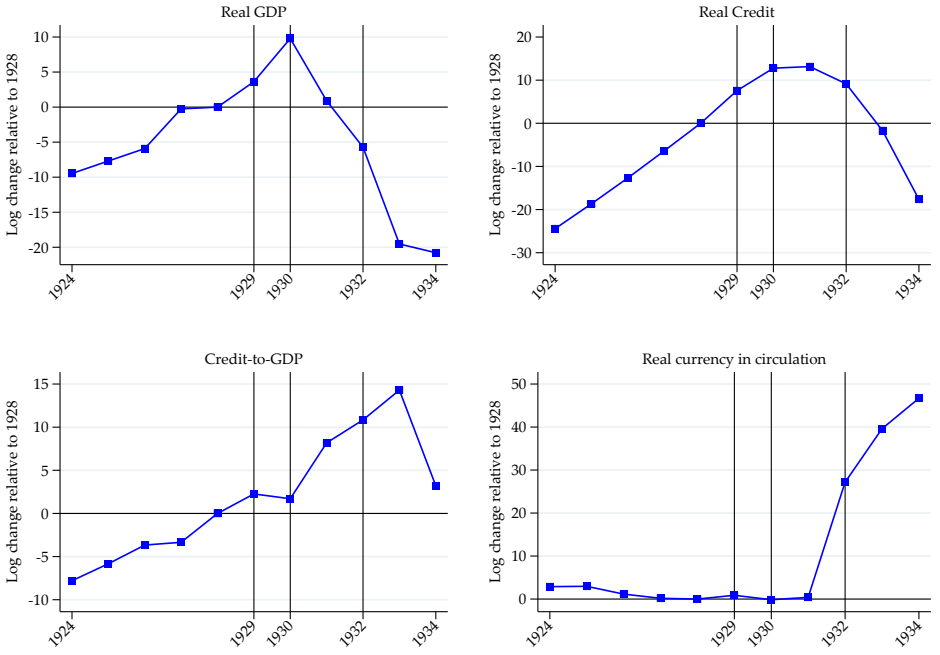
We obtain monthly and quarterly data on deposits, money market mutual fund investments, currency in circulation, and macroeconomic variables from FRED. The results below suggest that the inflow of deposits into the U.S. banking system slows down before a bank run. Runs on individual banks are then the starting point of massive aggregate deposit outflows. The outflow of funds out of the banking system, in turn, is accompanied by a flight into safer assets, meaning currency historically and money market funds in recent decades.

Bank runs during the Great Depression. We first study deposit flows around the three distinct bank run episodes in the wake of the Great Depression in the United States. While the bank runs in July 1929, November 1930, and November 1932 follow each other closely, we consider them as separate run episodes. Figure B.10a plots the dynamics of deposits and currency in circulation around the three waves of bank runs.[1] For a detailed description of these events, see Web Supplement C.

The first bank runs took place in July 1929, three months before the Great Crash in October 1929, when there were widespread runs in the Florida banking system due to the citrus crop failure. While we find limited changes in key macroeconomic variables around the Florida bank runs in July 1929, there is a noticeable slowing of inflows of aggregate deposits into the banking system after a longer expansionary phase. The month after Black Thursday in October 1929 marks a short period of inflows of demand deposits that reversed in 1930, turning into a total decline of about 5% until the end of 1930. It is not until November 1930, one month after Black Thursday, that we observe a contraction in total deposits, mainly because time deposits remained stable.

[1]Note that we do not have monthly data on real outcomes and credit. Figure B.9 shows output losses, credit, and real currency in circulation around the bank runs during the Great Depression at annual frequency.

Figure B.9: U.S. Macroeconomic Variables Around the Great Depression



Notes: The figure visualizes the path of real GDP, real loans, credit-to-GDP, and the real total currency in circulation around the three bank runs during the period of the Great Depression in the United States. The first wave of runs in 1929 within the banking system of Florida is visualized as a solid vertical line. The second wave of bank runs started with the run on the bank Caldwell and Company of Nashville in 1930, and the third wave of bank runs started in 1932. Both events are marked as solid vertical lines. The data on real currency in circulation is obtained from FRED.

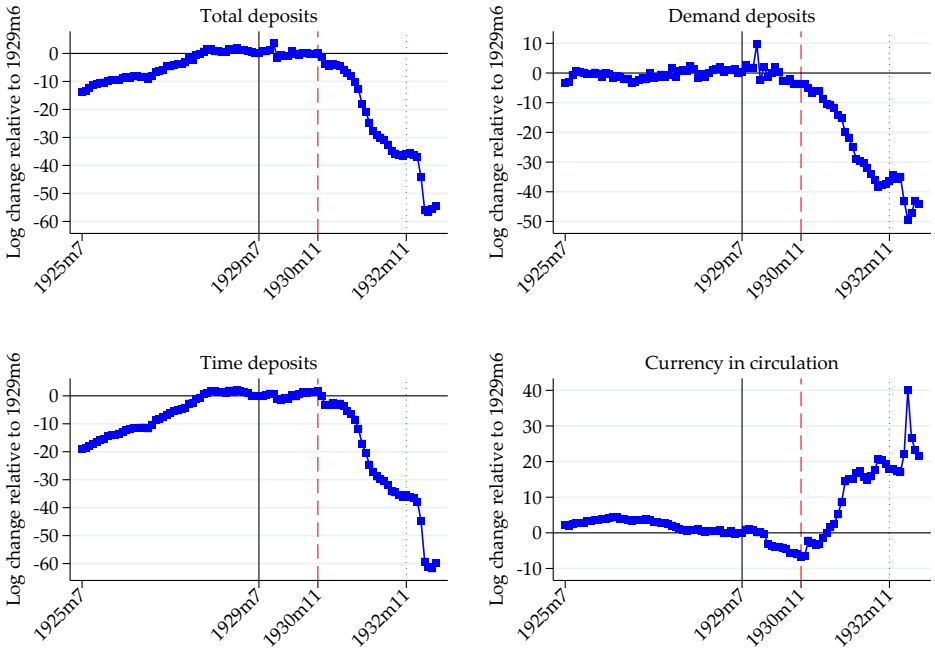
In November 1930, depositors ran on the bank Caldwell and Company of Nashville, which was the starting point of widespread runs on multiple banks across the United States. This run event is visualized as a red dashed line in Figure B.10a. These runs were accompanied by a massive contraction of deposits by more than 35% relative to mid-1929, and deposits only stabilized around this lower level in mid-1932. Immediately following the runs, and corresponding quantitatively to the outflow of deposits, there was an increase of currency in circulation, with annual growth rates in excess of 20% in 1931. This indicates that depositors withdrew their money in exchange for cash.

November 1932 saw a third wave of bank runs following concerns about a devaluation of the dollar after the election of Franklin D. Roosevelt. Figure B.10a visualizes these runs with an orange dotted line. Again, we observe a strong decline in all types of deposits and an additional sharp increase in currency in circulation.

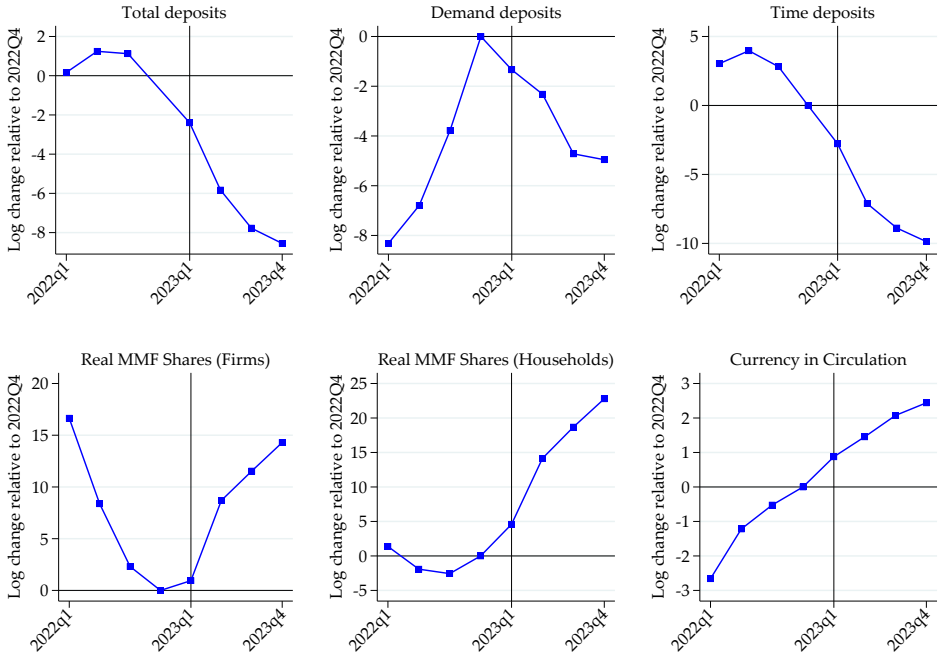
A key takeaway from the bank runs during the Great Depression is that runs can

Figure B.10: Flight to Safety During Runs: The Great Depression vs. Silicon Valley Bank

(a) The Great Depression

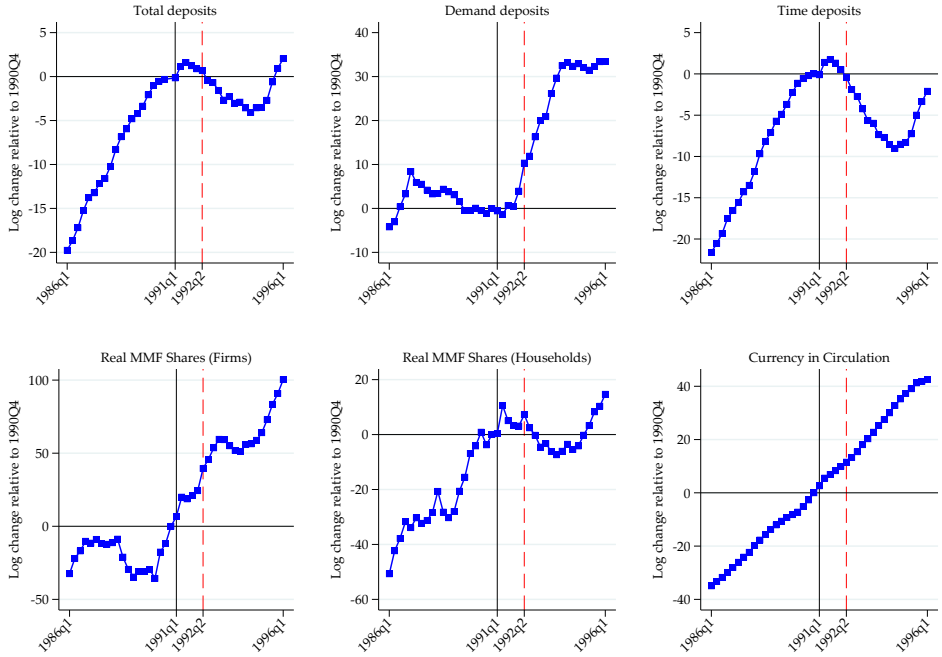


(b) The 2023 Run on Silicon Valley Bank



Notes: These figures visualize different measures of deposits, currency in circulation, and money market fund shares around bank runs during the Great Depression (Panel (a)) and on Silicon Valley Bank in 2023 (Panel (b)). For the Great Depression, the first wave of runs in July 1929 in Florida is visualized as a solid black line. The second wave of bank runs started with the run on the bank Caldwell and Company of Nashville in November 1930, marked as a dashed (red) vertical line. The third wave of bank runs started in November 1932, marked as a dotted (orange) line. The run on Silicon Valley Bank is indicated by a solid black line in 2023Q1.

Figure B.11: The 1991 Run on the Bank of New England



Notes: The figure visualizes the path of the following U.S. financial aggregates around the run on the Bank of New England in 1991: total deposits, demand deposits, time deposits, money mutual fund shares, and currency in circulation. The run event is shown as a solid vertical line in 1991Q1. In 1992Q2, there was a second bank run on the Metro North State Bank, marked as a dashed (red) vertical line. The quarterly U.S. data are obtained from FRED, as described in Section B.4.

be preceded by a slowing of deposit inflows, or even an outflow of aggregate deposits, starting multiple months before the actual run events unfold. Bank runs are then followed by more severe contractions far surpassing the previous slowing of inflows. The increase in currency in circulation indicates that depositors flee into assets they perceive to be safer. In the specific setting of the Great Depression, it is unlikely that this increase in nominal currency in circulation is due to inflation, as the period from 1930 to 1932 was rather characterized by deflationary pressure. As depicted in Figure B.9, real currency in circulation increased even more in 1932. Our interpretation is instead that the increase in cash holdings is due to a depositor panic.

Modern-day runs. Next, we turn to two more recent bank run episodes as case studies of bank runs under the existence of a deposit insurance fund. First, we focus on the run on Silicon Valley Bank in March 2023. We visualize the aggregate flow of funds around the run in Figure B.10b. We find that the run was preceded by a withdrawal of time deposits starting around four months prior. Precisely one month before the run, we observe a

withdrawal of demand deposits that accelerated in March 2023 when the run on Silicon Valley Bank occurred. Within a one-year time window around the run, total deposits declined by around 10% from peak to trough. We also observe a strong inflow into money market fund shares from both firms and households starting in the first quarter of 2023, the quarter of the Silicon Valley Bank run. Prior to the run, we observe that firms had reduced their money market fund positions. This U-shaped pattern lends support to the idea that the run on Silicon Valley Bank was a significant driving force underlying the inflow into money market mutual funds. See also Cipriani et al. (2024) for a high-frequency analysis of the 2023 regional banking crisis using daily data.

We also investigate an episode of two runs that occurred in the early 1990s. In January 1991, the Bank of New England faced a mass withdrawal of deposits. In Figure B.11, we plot the aggregate patterns of deposits, mutual fund shares, and currency holdings relative to the fourth quarter of 1990, the quarter before the run started. Demand deposits were already contracting around a year before the run on Bank of New England started, which was then accompanied by a clear further drop in time deposits. This further contraction was likely amplified by a second bank run on Metro North State Bank in April 1992, indicated as a red dashed line, following rumors that the bank would be closed by regulators. Strikingly, the deposit contraction is driven entirely by time deposits while demand deposits increase, as do firms' holdings of money market fund shares. Perhaps because of its lesser role relative to the Great Depression, we find limited movement in the amount of currency in circulation.

B.5 Intensive Margin of Deposit Withdrawals

To capture differences in the severity of bank runs, we next leverage the intensive margin of aggregate deposit withdrawals. We measure the degree of contractions in nominal deposits around each bank run episode as the minimum deposit growth rate across the three deposit categories: (i) total deposits, (ii) demand deposits, and (iii) time deposits. For this purpose, we augment our local projection framework to estimate the impulse response of real GDP to bank runs associated with different negative deposit growth rates:

$$\Delta Y_{i,t+h} = \alpha_i^h + \sum_{j=1}^{4} \beta_j^h \mathbf{1}[d_{i,t} \in B_j] + \sum_{k=1}^{3} \gamma^{k,h} \Delta \mathbf{X}_{i,t-k} + \epsilon_{i,t}^h, \tag{B.1}$$

with $h \in \{0, 1, 2, 3, 4\}$ and $\mathbf{1}[d_{i,t} \in B_j]$ is an indicator denoting whether country i's nominal deposit growth rate is within bin j, α_i denotes country fixed effects, and $Y_{i,t}$ denotes real GDP for country i in year t. As before, $\mathbf{X}_{i,t-k}$ includes three lags of real GDP growth, real deposit growth rates, real credit growth rates, and changes in the deposits-to-GDP ratio.

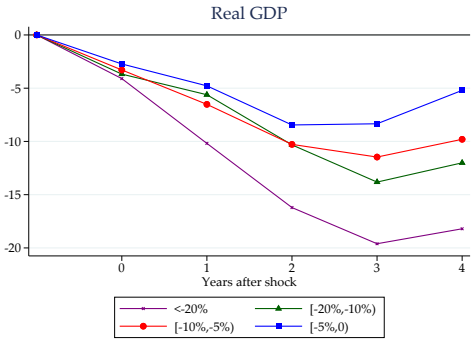
Panel (a) of Figure B.12 shows that the extent of deposit withdrawals during a bank run is highly informative about the future path of real GDP. When narrative bank runs are accompanied by a deposit contraction of more than 20%, their aftermath is typically a deep and long-lasting recession of -19.6% in real GDP. Smaller outflows of deposits are associated with milder consequences, with the smallest extent of withdrawals coinciding with the lowest output losses. These patterns highlight the crucial distinction between bank runs that are systemic in nature, i.e., those associated with a large drop in aggregate deposits, and non-systemic runs.

To consider the role of the liability side of banks' balance sheets in economic fluctuations independent of a depositor panic, we also ask whether variations in deposit growth rates are predictive of future growth outside of bank run episodes. Looking at deposit growth rates directly without relying on our new bank run chronology addresses a reasonable objection that, despite our best efforts, our list of runs is bound to be incomplete. Of course, this issue is not unique to our work; it also applies to any other narrative chronology of banking crises. On the other hand, the downside of a purely statistical approach is that whether the banking sector's deposits expand or contract has a myriad of reasons, only some of which may be related to potentially unobserved run events missing from our chronology.

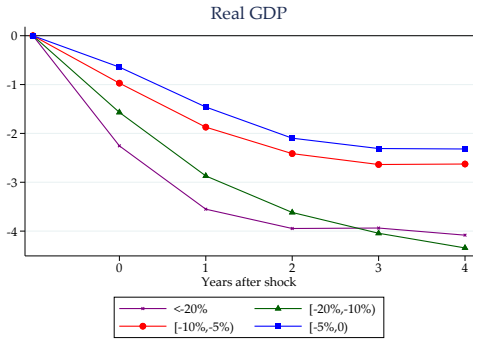
Panel (b) of Figure B.12 plots the estimates from (B.1), where we exclude observations within a ± three-year window around bank runs. Compared to those in the top panel, the coefficients are now considerably smaller.

Figure B.12: Deposit Contractions and Output Losses Around and Outside of Bank Runs

(a) Around Bank Runs



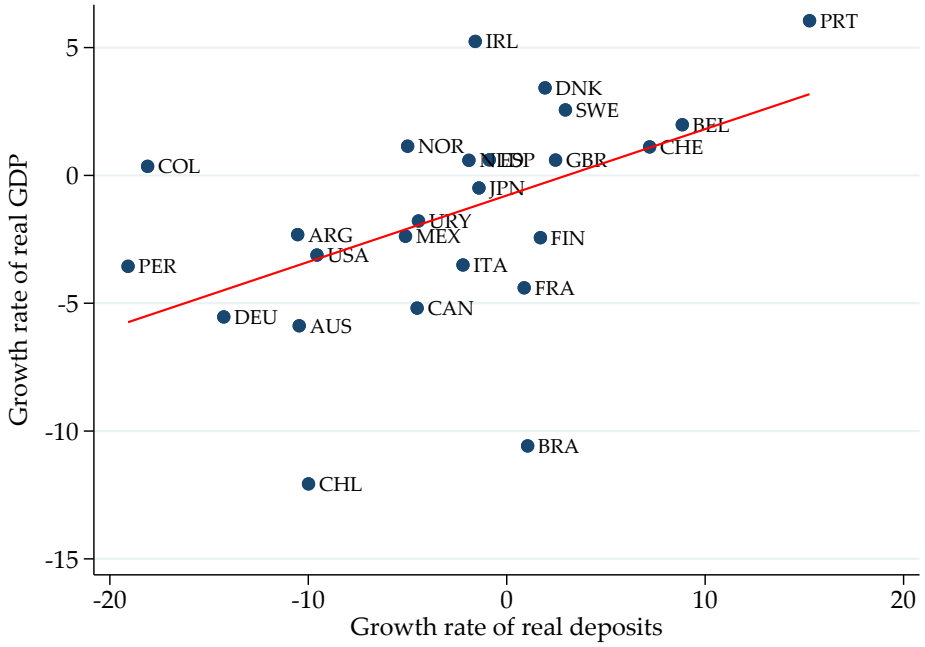
(b) Outside of Bank Runs



Notes: These figures plot the impulse response functions of real GDP to varying percentiles measuring the degree of nominal deposit contractions. The left panel measures the output losses around deposit contraction that coincide with a narrative bank run episode. The right panel excludes observations within a ± three-year window around narrative bank runs. We measure the contraction in deposits for each year as the minimum deposit growth rate across the three deposit categories: (i) total deposits, (ii) demand deposits, and (iii) time deposits. We detrend each of the three deposit growth rates using the backward-looking three-year moving average. The estimates are based on the local projection specified in equation (B.1).

B.6 Case Study: The Great Depression Around the Globe

Figure B.13: Real Deposit Flows and Real GDP During the Great Depression



Notes: This figure plots the mean growth rate of real GDP against the growth rate of real total deposits for the period of the Great Depression (1929-1931).

B.7 Conflicts and Natural Disasters

One concern with our analysis of bank runs is that major unrelated events, such as wars between countries, intra-state conflicts, or major natural disasters, may be a confounding factor. The concern is that while we document large output contractions after bank runs, part of this pattern could originate from the aforementioned political and environmental shocks rather than a panic among depositors (see, e.g., Baron and Dieckelmann, 2022). In this section, we investigate the robustness of the macroeconomic outcomes after systemic runs when controlling simultaneously for (i) inter-state wars, (ii) intra-state conflicts (e.g., civil wars), and (iii) large natural disasters.

For this purpose, we construct an indicator variable $\mathbf{1}_{i,t}^{conflicts}$ measuring whether a country experienced either inter-state or intra-state conflicts based on the "Correlates of Wars" dataset (Sarkees and Wayman, 2010). This indicator variable takes the value of one if a country i experienced a conflict in a given year t or the previous two years. We also construct an indicator variable for whether a country experienced a large natural disaster in a specific year or the previous two years, $\mathbf{1}_{i,t}^{ndisasters}$, based on the EM-DAT database (Delforge et al., 2025).

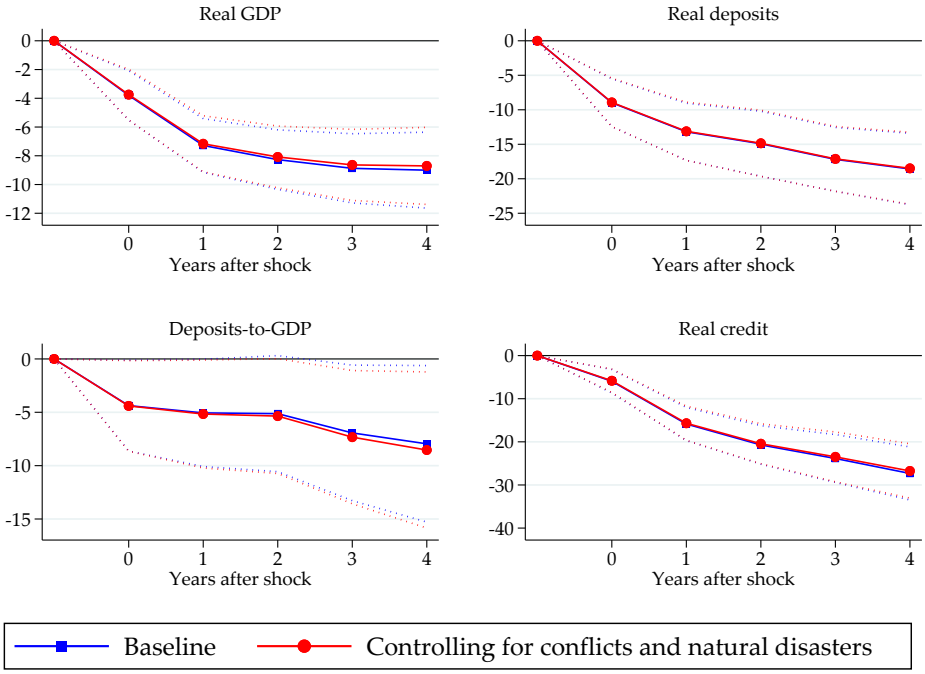
We extend the baseline local projection specification (1) from the main body of the paper by adding these indicator variables:

$$\Delta Y_{i,t+h} = \alpha_i^h + \beta^{run,h}\mathbf{1}_{i,t}^{run} + \beta^{confl,h}\mathbf{1}_{i,t}^{conflicts} + \beta^{ndis,h}\mathbf{1}_{i,t}^{ndisasters} + \sum_{k=1}^{3}\gamma^{k,h}\Delta\mathbf{X}_{i,t-k} + \epsilon_{i,t}^h, \tag{B.2}$$

with $h \in \{0,1,2,3,4\}$, i subscripts countries, and t years. $Y_{i,t}$ denotes an outcome of interest, such as real GDP. The indicator variable $\mathbf{1}_{c,t}^{run}$ is equal to one for any systemic bank runs in either one of the three different deposit categories: total deposits, demand deposits, or time deposits. α_i denotes country fixed effects.

Figure B.14 plots the impulse responses of real GDP, real deposits, real credit, and deposits-to-GDP to a systemic bank runs when controlling simultaneously for natural disasters and conflicts. There is almost no difference compared to our baseline specification.

Figure B.14: Macroeconomic Aftermath of Systemic Bank Runs—Controlling for Conflicts and Natural Disasters

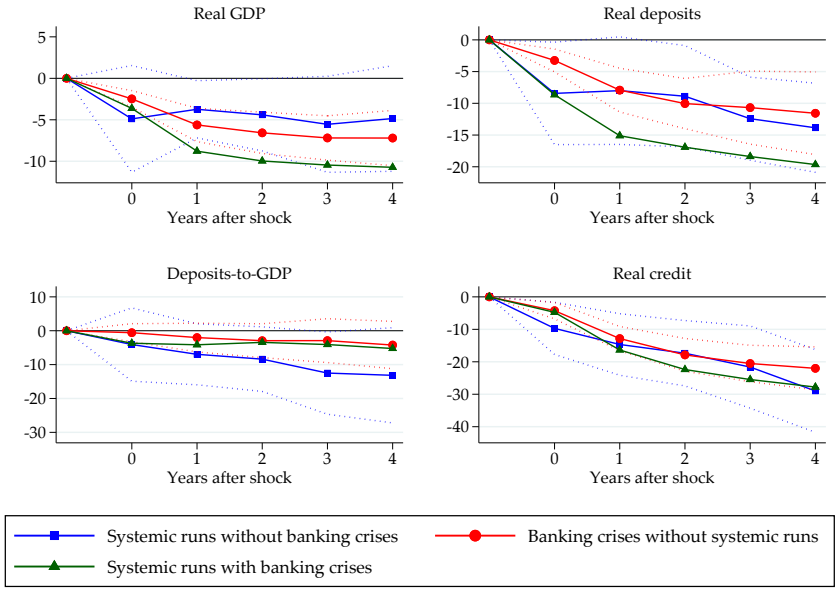


Notes: These figures plot the impulse response functions of real GDP, real deposits, real credit, and deposits-to-GDP to a systemic bank run in any one of the three different deposit categories: total deposits, demand deposits, and time deposits. The estimates are based on the local projection specified in (B.2), including controls for large natural disasters and conflicts (red lines). The blue lines depict the baseline results based on (1) from the main body of the paper, not controlling for conflicts and large natural disasters.The dotted bands depict 95% confidence bands based on standard errors double-clustered by country and year.

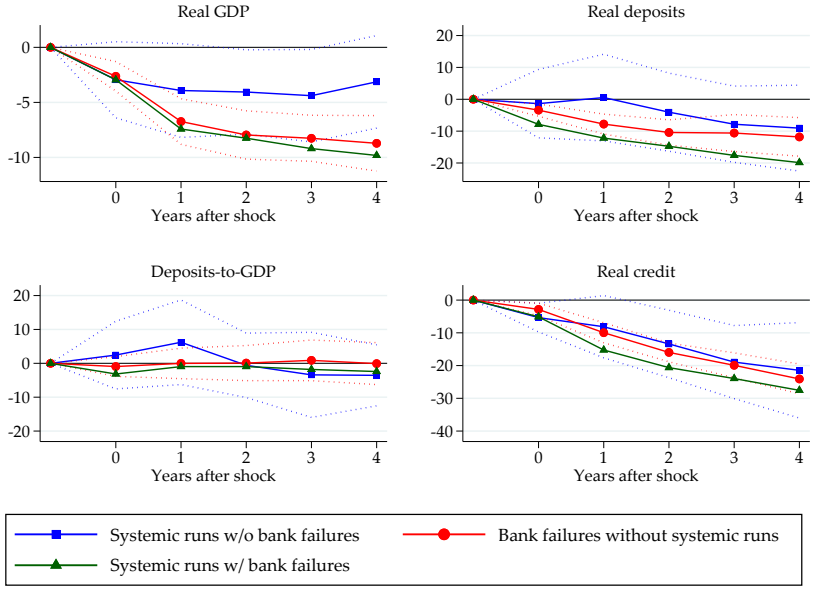
B.8 Comparing the Output Losses from Runs and Crises

Figure B.15: Macroeconomic Aftermath of Runs, Crises, and Failures

(a) Banking crises



(b) Widespread bank failures



Notes: These figures plot the impulse response functions of real GDP, real deposits, real credit, and deposits-to-GDP both within and outside of episodes of low levels of bank solvency. Panel (a) focuses on the overlap of systemic bank runs with episodes of banking crises. Panel (b) focuses on the overlap of systemic bank runs with episodes of widespread bank failures based on estimations from equation (1), where each line comes from a separate regression.

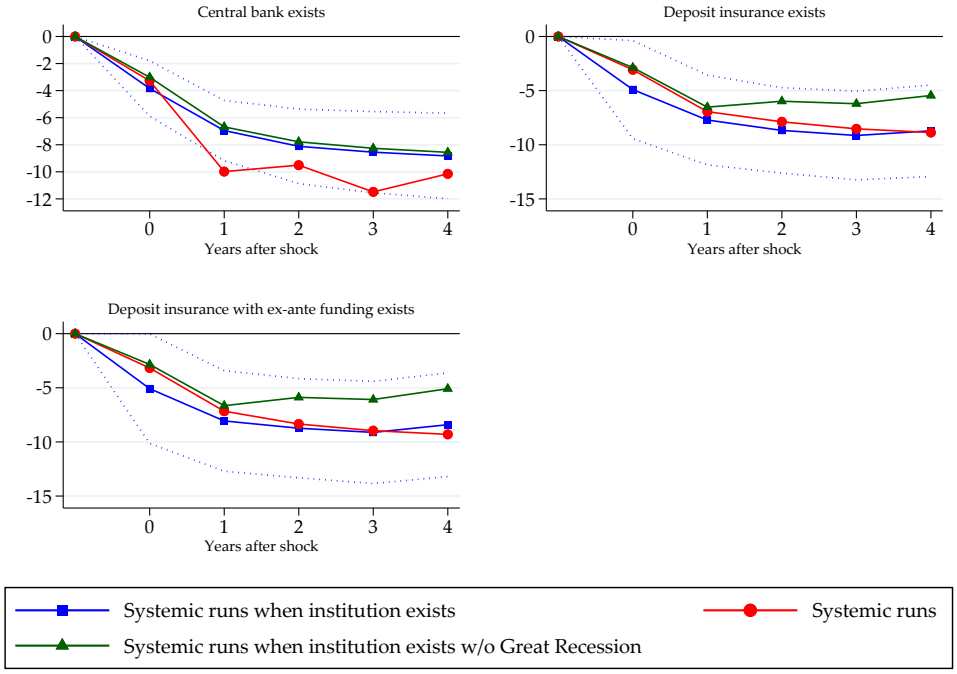
B.9 Deposit Insurance, Central Banks, and Output Losses from Runs

Table B.3: Institutional Frameworks and the Likelihood of Runs Becoming Systemic—Full Sample with Country-Level Controls

	$\mathbf{1}_{i,t}^{sysrun} \in \{0,1\}$					
	(1)	(2)	(3)	(4)	(5)	(6)
Central bank exists	-0.23**	-0.30				
	(0.11)	(0.18)				
Central bank exists x NF run		0.10				
		(0.43)				
DI exists			-0.21	-0.21		
			(0.13)	(0.14)		
DI exists x NF run				-0.22		
				(0.33)		
DI with ex-ante funding					-0.28*	-0.28*
					(0.14)	(0.15)
DI with ex-ante funding x NF run						-0.58***
						(0.18)
Non-fundamental (NF) run		-0.28		-0.15		-0.13
		(0.38)		(0.16)		(0.16)
Country-level controls	Y	Y	Y	Y	Y	Y
Country FE	Y	Y	Y	Y	Y	Y
Mean of DV	0.60	0.60	0.60	0.60	0.60	0.60
Observations	85	85	85	85	83	83
R^2	0.56	0.57	0.56	0.58	0.57	0.59

Notes: This table reports the estimated coefficients from specifications (4) and (5) on the full sample of narrative bank runs. The level of observation is a narrative bank run in country i and year t. The dependent variable is an indicator variable that is equal to one for narrative bank runs that are also systemic, meaning they are accompanied by deposit contractions, and zero for non-systemic bank runs that are not. *Mean of DV* indicates the mean of the dependent variable (the unconditional probability a run becomes systemic). The predictor variables are measured at the time of the bank run. *Non-fundamental (NF) run* is a dummy variable that is equal to one for a narrative *non-fundamental* bank run in country i and year t. Columns 2, 4, and 6 report the results from specification (5), which includes interactions between the institutional predictor variable and the indicator for a narrative *non-fundamental* run. All columns include country fixed effects and the following country-level controls: (i) the growth rate of real GDP, (ii) the change in credit-to-GDP, (iii) the change in deposits-to-GDP, and (iv) the change in bank equity returns, all calculated over the period from $t-2$ to $t-1$. Standard errors clustered by country are reported in parentheses. ***, **, and * indicate statistical significance at the 1%, 5%, and 10% level, respectively.

Figure B.16: Effectiveness of Deposit Insurance and the Lender of Last Resort



Notes: These figures plot the impulse response functions of real GDP around systemic runs (red lines) and around systemic runs when a specific institution exists (blue and green lines), based on estimating specification (3). We interact the systemic bank run indicator with one of the following institutional framework indicators: central bank existence, the existence of a deposit insurance, and the existence of deposit insurance that requires ex-ante funding. When excluding the years around the Great Recession, we exclude all observations ± 5 years around 2007 (green lines). The blue bands depict 95% confidence bands based on standard errors double-clustered by country and year.

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C The JMKS Narrative Chronology of Bank Runs

Contents

C.1 Afghanistan

September, 2010

In 2010, Afghanistan experienced a bank run. Around $155 million in deposits were withdrawn from Afghanistan's largest bank in just two days. Afghan government employees, including teachers, soldiers and policemen, lined up outside Kabul Bank branches across the country to demand their money amid rumors that Kabul Bank had violated the country's banking laws by providing hundreds of millions of dollars in loans to influential insiders, including President Hamid Karzai and others with close ties to his government. The bank's chairman admitted that more than $160 million of the bank's assets had been used to buy luxury villas and two residential towers in Dubai, according to an article on

NBC News.

Sources: McLeod (2016), The Guardian (2011a), NBC News (2010), The New York Times (2010b), The New York Times (2010a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by fraudulent behavior by the CEO of the Kabul Bank (bank-level cause).

C.2 Albania

October, 2008

In 2008, Albania experienced a bank run that wiped several hundred million euros of deposits from the banking system. The global financial crisis had previously affected the credibility of the banking system in Albania, according to BalkanInsight (2009a). Many experts blame the bad loans on poor lending practices in the past, arguing the global financial crisis had only exacerbated the situation. Following the collapse of Lehman Brothers in the US, Albania faced a bank run. Outstanding bank deposits fell from 700 billion leks (€5.7 billion) in September 2008 to 638 billion leks (€4.9 billion) in February 2009.

Sources: Fullani (2010), BalkanInsight (2009a), BalkanInsight (2009b)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by bad loans, poor lending behavior, and the spillovers of the Global Financial Crisis on Albania.

C.3 Antigua

February, 2009

In 2009, the Bank of Antigua suffered a classic bank run in February 2009. Hundreds of customers lined up outside the bank to withdraw their money. Texas billionaire Allen Stanford and his Bank of Antigua were under investigation for an $8 billion fraud. The US Securities and Exchange Commission (SEC) filed civil charges against Stanford for what it called a fraud "of shocking proportions" in the sale of $9.2 billion in securities that "promised ... improbably high interest rates", according to a report of CNN (2009).

Sources: International Monetary Fund (2010a), CNN (2009), The Guardian (2009), Reuters (2009a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the detected bank-level fraud case at the Bank of Antigua.

C.4 Argentina

May, 1876

In 1876, Argentina experienced a severe bank run, primarily in Buenos Aires and Santa Fe. The crisis led the Banco de La Provincia to suspend the convertibility of its notes, reflecting a deep liquidity crisis. At the same time, the Rosario government liquidated the local branch of the London Bank. In response to these financial upheavals, the Argentine government declared the notes of Banco Nacional and Banco de la Provincia as legal tender, an emergency measure to restore financial stability.

Sources: Metrick and Schmelzing (2021), Goodhart and Delargy (1998)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

March, 1890

In March 1890, Argentina experienced bank runs. Banco Nacional, Italian Bank of the River Plate, Banco de La Provincia de BA, and Banco Hipotecario Nacional failed. By 1890 Argentina was heavily indebted and unable to roll over existing debt, most of which was only repayable in gold. A severe public debt crisis ensued. In the first quarter of 1890, the Banco de La Provincia and the Banco Nacional were hit by a run that finally triggered a full-fledged banking crisis. In 1891, the Bank of the River Plate suffered severe runs and later failed. The Bank of the River Plate also suffered a run, but received liquidity from Baron Rothschild, as described by Baron et al. (2021).

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Reinhart and Rogoff (2009b), Mitchener and Weidenmier (2008), Goodhart and Delargy (1998)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the Argentine debt crisis.

July, 1914

In July 1914, Argentina experienced bank runs when the outbreak of the war at the end of July 1914 was accompanied by a dramatic flight to liquidity around the globe. Many Argentine banks faced severe pressure as international depositors demanded liquidity. According to Nakamura and Zarazaga (2001), "total deposits at Argentine banks fell by nearly 20 percent. The brunt of the hardship fell on the private banks, which lost over 45 percent of their deposits." The crisis was precipitated by a land price boom fueled by heavy speculation and increasing private indebtedness. Large amounts of credit were extended by European banks. Banco Frances failed in August 1914 (Lough and Field, 1916). In 1912, depositors started to withdraw up to 20% of total deposits from banks in response to real economic disturbances (Nakamura and Zarazaga, 2001). Paolera and Taylor (2001) call this crisis "the worst recession in Argentine history" (p. 190), as described in Baron et al. (2021).

Sources: Baron et al. (2021), Nakamura and Zarazaga (2001), Paolera and Taylor (2001), Lough and Field (1916),

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the real economic disturbances in 1912 and the outbreak of World War I in 1914.

September, 1934

In 1934, Argentina experienced bank runs. There was a government-induced merger of four smaller banks after these runs, according to Metrick and Schmelzing (2021)'s description. The book "The Political Economy of Argentina in the Twentieth Century" by Cortés (2009) dates bank runs to have occurred in July 1934.

Sources: Metrick and Schmelzing (2021), Baron et al. (2021), Laeven and Valencia (2018), Cortés (2009)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

March, 1980

In March 1980, Argentina experienced bank runs following the failure of the Banco de Intercambio Regional, according to the description of Reinhart and Rogoff (2009a). Banco de Intercambio Regional, Banco de los Andes, Banco Oddone, Banco International, and at least 64 more banks failed.

Sources: Baron et al. (2021), Laeven and Valencia (2018), Sims and Romero (2013), Reinhart and Rogoff (2009a), Baliño (1991)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the Banco de Intercambio Regional.

May, 1985

In May 1985, Argentina experienced bank runs when the first half of the 1980s saw an inflation and public debt crisis that forced the government to adopt drastic reform measures in 1985, known as the "Plan Austral". In late 1983, Argentina received IMF loans, but these were suspended in March 1985 when Argentina failed to meet several economic targets. The resulting economic turmoil and hyperinflation led to severe banking distress and bank runs, forcing the Central Bank of Argentina to close several banks in May 1985. As a result, dollar deposits were frozen for 120 days.

Sources: Baron et al. (2021), Sims and Romero (2013)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the debt crisis and hyperinflation.

April, 1989

In April 1989, Argentina experienced bank runs. Laeven and Valencia (2018) say this was a banking crisis and date the panic to December 1989 when deposits were frozen. Stabilization policies caused a public debt crisis and hyperinflation that resulted in major bank distress (Beckerman, 1995). As a result, "nonperforming assets accounted for 27 percent of the aggregate portfolio and 37 percent of the portfolios of state banks. Failed banks held 40 percent of financial system assets", according to the description in Baron and Dieckelmann (2022).

Sources: Baron and Dieckelmann (2022), Laeven and Valencia (2018), Sims and Romero (2013), Beckerman (1995)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run coinciding with a public debt crisis.

January, 1995

In 1995, Argentina experienced bank runs. Following the devaluation of the Mexican peso in late 1994, there was a wave of uncertainty concerning the sustainability of the currency board in Argentina. This uncertainty, in turn, led to widespread deposit runs and large capital outflows. Peso deposits fell by more than 15 per cent between late December and January 1995. Private sector deposits were used to fund illiquid banks via public Banco de la Nacion. Throughout this episode, at least 40 banks failed (almost one third of total banks).

Sources: Baron et al. (2021), Laeven and Valencia (2018), Guidotti et al. (2016), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the currency devaluation.

June, 2001

In mid-2001, Argentina had accumulated significant fiscal imbalances and was experiencing competitiveness problems following the Brazilian crisis. The restructuring of public debt and the announcement of a change in the parity under the convertibility plan (from a peg to the dollar to a basket of the US dollar and the euro) triggered bank runs, which intensified in the second half of the year, leading to a deposit freeze, a bank holiday, riots and major political instability in December 2001, as described by Laeven and Valencia (2018).

Sources: Laeven and Valencia (2018), Guidotti et al. (2016), Ennis and Keister (2009), BBC (2001a), BBC (2001b)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the fiscal problems of the Argentine government.

C.5 Australia

December, 1828

In 1828, Australia experienced a run on the Bank of New South Wales, and the bank sought government assistance. In late 1827 and early 1828, divisions among the Bank of New South Wales's management and shareholders further undermined the bank and public confidence in it. In its weakened state, the Bank of New South Wales was ill placed to withstand the colony's slide into depression in late 1827, according to Fitz-Gibbon and Gizycki (2001).

Sources: Metrick and Schmelzing (2021), Fitz-Gibbon and Gizycki (2001)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the slide into depression in 1827, that the bank was not able to withstand.

December, 1842

In 1842, Australia experienced bank runs when the Colonial Bank's losses in the first half of 1842 led its owners to question whether the bank should be wound up. This triggered a run that cut the bank's note circulation by half and deposits by a third. In an environment where shareholders themselves were under pressure to get cash, they opted to cut their losses and close the bank. In early 1843, the Port Phillip Bank and the Sydney Banking Company failed. In each case, note holders and depositors were quickly repaid. The panic reemerged in May 1843, when the Savings Bank of New South Wales experienced a bank run because of rumors that the Governor, after examining the bank's securities, had declared them to be worthless (Fitz-Gibbon and Gizycki, 2001). There was also concern that the trustees had lost money in the failure of the Bank of Australia.

Sources: Fitz-Gibbon and Gizycki (2001)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by heavy bank losses and an aggregate environment in which shareholders themselves were under pressure.

December, 1891

In December 1891, Australia experienced bank runs, causing the failure of the Metropolitan Bank and the Standard Bank of Australasia. The runs were preceded by a collapse in house prices and agricultural depositors withdrawing deposits to meet their obligations (Goodhart and Delargy, 1998).

Sources: Goodhart and Delargy (1998)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by a collapse in house prices and deposit withdrawals to meet debt obligations.

April, 1893

In April 1893, the London Chartered Bank of Australia suffered a £300,000 bank run as part of the 1893 banking crisis. This run caused the bank to close abruptly on 26 April, although it was generally considered to be in a satisfactory position and had just announced a proposed dividend. A voluntary winding-up order was granted in London in mid-May, while discussions on reconstruction continued. The process of negotiating and approving a reconstruction plan, which would see a new institution, the London Bank of Australia, take over the assets, liabilities and operations of the Bank, continued through June and July. It reopened under the new name and structure in Australia on 7 August and in London on 8 August, according to The Sydney Morning Herald (1893c).

Sources: Reinhart and Rogoff (2009b), Goodhart and Delargy (1998), The Sydney Morning Herald (1893a), The Sydney Morning Herald (1893b) The Sydney Morning Herald (1893c)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the 1893 banking crisis in Great Britain.

April, 1931

In April 1931, Australia experienced bank runs amid a balance of payments crisis, according to the description of Baron and Dieckelmann (2022). The Federal Deposit Bank and State Savings Bank of Western Australia suffered runs following a run on another government savings bank.

Sources: Baron and Dieckelmann (2022), Cava and Price (2021), Fitz-Gibbon and Gizycki (2001), The Advertiser (1931)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by a balance of payment crisis.

October, 1974

In October 1974, the failure of multiple property financiers precipitated runs on building societies in several states, particularly in South Australia and Queensland.

Sources: Metrick and Schmelzing (2021), Fitz-Gibbon and Gizycki (2001)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of property financiers.

October, 1977

In September 1977, the Queensland Permanent Building Society failed after suffering a run. The run was triggered after several Queensland building societies experienced losses due to bad loans.

Sources: Fitz-Gibbon and Gizycki (2001)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of building societies and bad loans.

October, 1979

In March 1979, the St. George Permanent Building Society experienced a bank run. The run was triggered by a radio broadcast spreading rumors of its imminent collapse.

Sources: Fitz-Gibbon and Gizycki (2001)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

February, 1989

In 1989, Australia experienced runs on several non-bank institutions. The banking industry experienced its worst losses since the 1890s. The State Bank of Victoria and the State Bank of South Australia suffered large losses, and state governments provided significant capital injections in the resolution of these problems, according to the description in Baron and Dieckelmann (2022). Several banks began to suffer large depositor withdrawals, but the Reserve Bank issued statements declaring that it believed the banks were generally safe and that it was prepared to intervene to provide "liquidity" and deposit guarantees, which then effectively stopped the runs.

Sources: Baron and Dieckelmann (2022), Dieckelmann (2021)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by heavy losses within the entire banking sector.

C.6 Austria

May, 1873

In May 1873, Austria experienced bank runs with massive depositor withdrawals according to the description in Baron and Dieckelmann (2022). The number of banks and banking firms dropped from 141 in 1873 to 45 in 1878. Depending on the source, it is reported that up to 100 banks failed or disappeared during this time. This is the well-known "Gründerkrach" banking crisis. Reinhart and Rogoff (2009a) date it to May 1873. Jobst and Rieder (2016) reports massive depositor withdrawals and bank runs.

Sources: Baron and Dieckelmann (2022), Jobst and Rieder (2016), Rieder (2014), Reinhart and Rogoff (2009a), Goodhart and Delargy (1998)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by a stock market crash and a high number of defaulting borrowers (Jobst and Rieder, 2016).

May, 1924

In May 1924, Austria experienced a bank run when the Allgemeine Depositenbank ran into difficulties due to speculation on the French franc, which led to its liquidation af-

ter heavy withdrawals. Some 40,000 savers lost part of their deposits according to the description of Baron and Dieckelmann (2022) and Eigner et al. (2018). The League of Nations (1931) dates the failure of the Allgemeine Depositenbank to 1923. However, since the cause of the failure was the speculations on the French Franc (Baron and Dieckelmann, 2022; Eigner et al., 2018; Time Magazine, 1924) and the speculation took place in the winter of 1923/24 (Eichengreen, 1982), we date the run to 1924. The Austro-Polnische Bank, Austro-Orientbank, and the private Union Bank failed. Later, in 1927, Unionbank and Verkehrsbank failed and were merged with Creditanstalt. Biedermannbank failed in 1927. In 1924, the number of joint stock banks in Vienna dropped from 66 to 36.

Sources: Baron and Dieckelmann (2022), Kangas (2019), Eigner et al. (2018), Time Magazine (1924)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run. The run cause was specific to the speculation on the French Franc in winter 1923/24, that the Allgemeine Depositenbank was engaged in.

May, 1931

In 1931, Austria experienced a bank run. When Creditanstalt, the country's largest bank, announced financial difficulties, foreign creditors and domestic depositors started a run on the bank. With all potential sources of liquidity exhausted, the only remaining source was the state. Bodencreditanstalt, the second largest bank, failed in 1929 and was merged with Creditanstalt. When it became clear to the management of Creditanstalt in early 1931 that the pyramid scheme that the Austrian banking sector had become could no longer be sustained, they turned to the authorities for support. They did not do so because they had lost the confidence of their foreign or domestic creditors and depositors, and the flight of capital had triggered this reaction. They were forced to do so because there was no new liquidity behind which to hide the years of insolvency. Creditanstalt failed on May 11, 1931.

Sources: Baron and Dieckelmann (2022), Kangas (2019), Bernanke and James (1990), Kindleberger (1986)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by substantial aggregate problems in the Austrian banking sector in the late 1920s.

C.7 Bahrain

August, 1990

In August 1990, Bahrain experienced significant deposit withdrawals due to the Iraqi invasion of Kuwait and the cutting of vital Western and Japanese credit lines. In Bahrain, private customers are believed to have sent abroad 30 to 40 percent of their deposits in commercial banks, or $1.1 billion to $1.5 billion, according to The New York Times (1990)

Sources: The New York Times (1990)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the invasion of Kuwait.

C.8 Belgium

December, 1838

In 1839, Belgium experienced a significant bank run that primarily affected the Banque de Belgique, the country's second largest financial institution. This crisis, triggered by the threat of war with the Netherlands and exacerbated by the Banque de Belgique's mismanagement of its note issuance and investments in illiquid assets, reached a critical point in December 1838. Unable to redeem its bank notes during the panic, the bank was compelled to suspend payments on December 17, 1838, and subsequently had to close its doors. Troops were deployed amid fears of the bank being plundered by angry depositors (Buyst and Maes, 2008). The government eventually stepped in with a bailout to prevent the bank's liquidation. Accordingly, we classify this episode as a bank run, in alignment with the view of Ugolini (2021).

Sources: Ugolini (2021), Mardini and Schuler (2014), Reinhart and Rogoff (2009a), Buyst and Maes (2008)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the threat of war between the Netherlands and Belgium.

1870

In 1870, Belgium experienced a bank run triggered by fears of war between France and Prussia. The Belgian Finance Minister and the governor of the National Bank of Belgium

(NBB) hastily relocated the bank's metal reserves, inciting a public panic. This led to a surge of people demanding to convert their notes into coins at the NBB, which reacted by closing most of its counters and significantly reducing discount transactions, causing widespread public outrage.

Sources: Buyst and Maes (2008)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the war between France and Prussia.

July, 1914

In 1914, Belgium experienced bank runs when the country's invasion by German troops caused panic and a significant demand for cash. The result of this panic was people losing faith in banknotes and wanting to exchange them for coins, causing a run on National Bank branches in late July 1914, according to Luyten (2014).

Sources: Baron and Dieckelmann (2022), Dieckelmann (2021), Luyten (2014)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by World War I.

1925

In 1925, Belgium experienced a bank run triggered by fears of currency devaluation. This crisis was compounded by the continued depreciation of the Belgian franc, which led to severe financing issues for firms and banks, prompting the government to secure loans in US dollars to back the faltering currency and banking system.

Sources: Jordà et al. (2017)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the currency devaluation risk and speculation against the French Franc.

May, 1931

In 1931, Belgium experienced bank runs caused by rumors about the potential failure of Banque de Bruxelles, the country's second largest bank. This event triggered significant withdrawals from all banks in Belgium, according to Bernanke and James (1990).

Sources: Baron and Dieckelmann (2022), Jordà et al. (2017), Bernanke and James (1990)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

December, 1934

According to Jordà et al. (2017), there is narrative evidence of a wave of deposit withdrawals following the bankruptcy of Banque Belge du Travail. Towards the end of 1934, rumors about further bank failures led to mass deposit withdrawals.

Sources: Jordà et al. (2017)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of Banque Belge du Travail.

C.9 Belize

April, 2016

In 2016, Belize experienced a bank run triggered by a US tax evasion crackdown on banks around the world, including on Belize Bank Internasional (BBI). According to The Guardian (2016), in April, BBI management informed the supreme court of Belize it had received unprecedented withdrawal requests. Tough US anti-tax evasion laws had increased compliance costs for BBI's partners, prompting Bank of America and Commerzbank to terminate relationships with the bank. The departure of these partner banks in many instances left BBI struggling to maintain basic services for account holders, and ultimately triggered a run on its deposits.

Sources: The Guardian (2016), Carribean News (2016), Reuters (2016)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the US tax evasion crackdown.

C.10 Bolivia

January, 1985

In 1985, Bolivia experienced a bank run triggered by the "de-dollarization" program, which consisted of converting all obligations contracted in dollars or with value maintenance into national currency, including deposits in the banking system, at the exchange rate determined by the government on a given day. This measure created a mismatch in the banking system, hurting creditors and those with deposits in foreign currency in the banking system, but favoring debtors. The policy of de-dollarization failed because dollar transactions actually increased, and the government had to refinance debts and deposits in dollars with currency creation, thus increasing inflation, according to Kehoe et al. (2019). The program also generated a bank run and a subsequent government bailout of the banks.

Sources: Kehoe et al. (2019), The New York Times (1985b)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the dedollarization of all debt obligations into local currency.

November, 1994

In 1994, Bolivia experienced a bank run as two banks, comprising 11% of the total banking system assets, shut down. Subsequently, in 1995, 4 out of the 15 domestic banks, accounting for 30% of the banking system assets, encountered liquidity issues and grappled with a substantial increase in nonperforming loans. The initial trigger was a corruption scandal at the International Banking Corporation, a subsidiary of the Banco Boliviano Americano, according to Latin America Digital Beat (1995).

Sources: Laeven and Valencia (2018), Reinhart and Rogoff (2009a), Guerschanik Calvo (2005), Latin America Digital Beat (1995)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the scandal at the International Banking Corporation.

C.11 Bosnia and Herzegovina

October, 2008

The 2008 Bosnia and Herzegovina bank run, a significant financial crisis, occurred amidst economic stress and declining financial stability. In October 2008, about 12% of bank deposits were withdrawn, causing substantial financial strain. This crisis was a part of wider economic challenges, including unsustainable growth, fiscal imbalances, and vulnerability to the global financial crisis. Stability was restored quickly through liquidity support from foreign parent banks and effective central bank measures like reducing minimum reserve requirements, highlighting the financial system's fragility in economic downturns.

Sources: Commission of the European Communities (2009)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by aggregate financial instability in course of the Global Financial Crisis in 2008.

C.12 Brazil

September, 1864

In 1864, Brazil experienced a bank run due to the fall of Souto and Company (a bank) which prompted runs on all the banking houses, according to Marchant (1950). The streets in Brazil were full of people trying to withdraw their money. The panic's effects were so considerable that the Bank of Brazil lost its right to issue paper money, which henceforth became a function exclusively of the Treasury.

Sources: Banco do Brasil (2004), Marchant (1950)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by failure of Souto and Company.

September, 1900

In 1900, Brazil experienced bank runs due to the withdrawal from circulation and devaluation of domestic currency. This reduction in the money supply in the economy provoked a bank panic in 1900 that considerably damaged the Brazilian banking system that had slowly evolved since mid-century, according to Topik (2007). A run on banks in

Rio de Janeiro in September and October of that year led many financial institutions to fail.

Sources: Metrick and Schmelzing (2021), Reinhart and Rogoff (2009a), Topik (2007), Triner (1999)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by a currency devaluation.

August, 1914

In July 1914, deposit runs led to the closure of stock exchanges across countries in Latin America, including Brazil, according to Baron et al. (2021).

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Roberts (2014), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run coinciding with the start of World War I. According to Roberts (2014), World War I caused a financial crisis in Brazil by interrupting foreign capital flows.

March, 1990

In March 1990, Brazil experienced a bank run due to economic instability and hyperinflation, eroding public confidence in the financial system. The government responded by freezing bank accounts and implemented reforms aimed at curbing hyperinflation by reducing the money supply. These measures temporarily stopped the bank run but caused significant public dissatisfaction and severe economic disruptions, according to Ennis and Keister (2009).

Sources: Ennis and Keister (2009)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by economic instability and hyperinflation.

C.13 Bulgaria

January, 1996

In 1996, Bulgaria experienced bank runs due to depreciation of its currency amid failure of the government to heed the foreign debt deferment deal that had been negotiated by the previous administration. The ensuing plummeting of Bulgaria's credit rating caused runs on its banks.

Sources: Laeven and Valencia (2018), The Sofia Globe (2018), Kovatchevska (2000), Bulgarian National Bank (1996)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by a currency crisis.

June, 2014

In 2014, Bulgaria experienced runs on two of its banks according to an article from The New York Times (2014). The first was KTB bank, a bank with strong political connections involved in a feud of its majority stakeholder Tsvetan Vassilev with Delyan Peevski. The trigger of the run at KTB was the unfolding of a latent war between the two individuals and Peevski deciding to withdraw his funds from KTB. Allies of Vassilev retaliated by spreading rumors about FiB's solvency, which then caused another run on FiB.

Sources: The New York Times (2014)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

C.14 Canada

March, 1837

In 1837, Canada experienced runs when banks were ordered to suspend convertibility beyond the value of their own capital stock until 1839, amid runs in Canada and New York. Lower Canadian banks had already suspended deposits before this government intervention in May, according to Metrick and Schmelzing (2021). The causes were related to the failure to renew the charter of the Second Bank of the United States and failures of

banks in the South of the US, according to Redish (1983).

Sources: Metrick and Schmelzing (2021), Foot and Buckner (2016), Bunbury (1995), Calomiris and Gorton (1991), Redish (1983), Breckenridge (1895)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by uncertainty in the banking sectors of Canada and the US.

September, 1867

In September 1867, Canada experienced a run on the Commercial Bank of Canada which acquired $1,770,000 in 30-year bonds in 1866 but delayed their sale, leading to suspicions about the bank's stability, especially after learning it provided security to major depositors. This distrust culminated in a deposit run. More bank runs occurred in October, according to Breckenridge (1895) and Artemiw (2017).

Sources: Artemiw (2017), Breckenridge (1895)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by bank-level solvency issues.

May, 1879

In May 1879, Canada experienced a series of bank runs and failures, primarily concentrated in Montreal. These runs began with the suspension of the Mechanics' Bank on May 28th, followed by La Banque Jacques Cartier on June 16th. The situation worsened in August when the Consolidated Bank suspended payments on August 1st, leading to a domino effect. The Exchange Bank and La Banque Ville Marie followed suit on August 7th and 8th, respectively. Panic spread to other banks, notably in Hamilton and Sarnia, with the Exchange Bank of Canada and the City and District Savings Bank in Montreal experiencing significant runs, the latter seeing withdrawals estimated at $500,000. Additional banks like the Banque de St. Hyacinthe, Banque de St. Jean, Banque d'Hochelaga, Molson's Bank, and the Bank of Hamilton were also affected by rumors or actual runs. This series of events culminated in October with the failure of the Bank of Liverpool.

Sources: Baron et al. (2021), Breckenridge (1895), The New York Times (1879)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

May, 1893

In July 1893, Canada experienced a significant bank run, specifically targeting the Commercial Bank of Manitoba. Supported initially by a guarantee fund, other banks in Manitoba continued accepting its notes after suspension, averting public panic and note devaluation. However, the bank's risky business practices and susceptibility to local economic conditions led to a steady increase in debts from 1892. A major withdrawal of deposits began in May 1893, escalating in June, with the bank attempting to manage this by issuing notes to depositors. By mid-September, the public had redeemed most of the bank's notes, but with circulation reduced from $419,135 in July to just $31,835 by November's end, and only $4,130 left in its vaults, the bank could no longer redeem its paper and was compelled to suspend operations. This collapse was a culmination of the bank's risky strategies, mounting debts, and a severe run on deposits (Breckenridge, 1895).

Sources: Breckenridge (1895)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the risky lending practice of the Commercial Bank of Manitoba.

August, 1914

In 1914, Canada experienced multiple bank runs at the onset of World War I. The Home Bank of Canada experienced runs on August 4, 1914 before the war was declared. The Bank of Vancouver suspended payments on 14 December 1914, according to Baron et al. (2021) and other sources.

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Powell (2010), CBC News (2008), Canada War Museum (2008), Turley-Ewart (2004), Curtis (1947)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by World War I.

December, 1921

In December 1921, the small bank La Banque Nationale faced large difficulties with the result of sporadic bank runs and millions of deposits that were withdrawn. It was not until the end of 1923 that the situation became more quiet.

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Carr et al. (1995)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the bank-level losses of La Banque Nationale (Carr et al., 1995).

October, 1924

In 1924, some solvent Canadian banks, such as the Dominion and the Imperial Bank, experienced runs. Between October 12 and 15, hundreds of depositors crowded into Dominion Bank branches in Toronto to shut down their accounts and rescue their money. The banking system was in great difficulty as a result of sporadic bank runs and millions of deposits were withdrawn.

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Bordo and Redish (1996)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

July, 1982

In July 1982, the failures of the Canadian Commercial Bank of Edmonton and the Northland Bank coincided with deposit runs. The Mercantile Bank of Canada also suffered a run and was taken over by the National Bank. The Canadian Commercial Bank of Edmonton and the Northland Bank ultimately failed in 1985. Over 20 trust companies and mortgage corporations failed as well. In 1986 the Bank of British Columbia had to be rescued and was bought by HSBC.

Sources: Baron et al. (2021), Powell (2010)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of two Canadian banks.

June, 1996

In June 1996, Canada experienced bank runs when the Calgary-based Security Home Mortgage Corporation failed. The failure affected some 2,600 Canadians and $42 million in deposits. The company closed its doors, and customers were alarmed to learn that they would not have immediate access to their savings, according to an article by the Canada Deposit Insurance Corporation (2022).

Sources: Hardbacon (2023), Canada Deposit Insurance Corporation (2022)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the Security Home Mortgage Corporation.

C.15 Chile

1865

In September 1865, Chile experienced a run on Banco de Chile and five other deposit-taking institutions due to Chile's declaration of alliance with Peru in a war against Spain, according to Brock (2016).

Sources: Metrick and Schmelzing (2021), Brock (2016)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the declaration of war against Spain.

January, 1878

In July 1878, Chile experienced a run on Banco Nacional de Chile. A potential reason might have been comments made by the Finance Minister in front of Congress. These comments indicated that, in the event of a bank's collapse, demand deposits could be considered as subordinated debt, according to Brock (2016). The government declared all bank notes legal tender amid run on Banco Nacional de Chile.

Sources: Brock (2016)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

February, 1895

According to Metrick and Schmelzing (2021), Chile experienced widespread bank runs in 1895 amid the country's transition to the gold standard, which prompted considerable uncertainty about the value of the currency.

Sources: Metrick and Schmelzing (2021), Brock (2016)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the transition to the Gold Standard.

July, 1898

In 1898, Chile experienced a bank run in Santiago triggered by mounting financial distress. By early July, panic among depositors led to a massive withdrawal of funds from Santiago's banks. This crisis forced the government to declare a moratorium on July 11th, and by August, the government guaranteed all bank note issuance.

Sources: Brock (2016)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by mounting financial stress in Santiago's banking sector.

December, 1907

In 1907, Chile saw widespread bank runs, including on Mobiliario Bank. To stem these runs, the government intervened with "grant facilities" and further liquidity support.

Sources: Baron et al. (2021), Metrick and Schmelzing (2021)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

July, 1914

In July 1914, Chile experienced bank runs that led to the closure of stock exchanges across several countries in Latin America, according to the description of Baron et al. (2021). Reinhart and Rogoff (2009a) also consider this to be a systemic banking crisis. Exports

and economic activity contracted heavily in the early months of World War I, causing deposit withdrawals, according to Roberts (2014).

Sources: Baron et al. (2021), Roberts (2014), Reinhart and Rogoff (2009a), Bordo et al. (1999)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the macroeconomic repercussions of World War I.

June, 1976

According to Kaufman (1992), the sharp fall in world copper prices led to a recession in Chile in 1975 and a significant withdrawal of deposits from the financial system, particularly impacting SINAP (Sistema Nacional de Ahorros y Préstamos), a key financial intermediary. This crisis arose partly because the government's financial stability was questioned, leading to a loss of depositor confidence and SINAP's insolvency caused by an inability to cover withdrawals with the sale of long-term loans. The government's response to SINAP's crisis included freezing 60-day deposits and allowing only limited monthly withdrawals of US$ 100 per account, offering the remainder in long-term bonds at a reduced market value.

Sources: Baron et al. (2021), Kaufman (1992)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the decline of the copper price and the recession in Chile.

January, 1983

Chile experienced bank runs in 1983 shortly after Chile inked a deal with the IMF for urgent financial support, which led depositors to rapidly withdraw cash from Chilean banks. The liquidity crisis forced the government to place seven banks and one financier, which jointly accounted for 40% of Chilean deposits, under temporary resolution.

Sources: Laeven and Valencia (2018)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the debt crisis in Chile and the following support by the IMF.

C.16 China

February, 1903

In February 1903, Tongshang Bank faced a severe bank run after the discovery of counterfeit notes. After the news of counterfeit currency spread, money houses refused to accept Tongshang Bank's notes. Despite efforts to reassure the public by displaying the fake notes and extending business hours, the panic persisted. Sheng Xuanhuai, overseeing the situation from Beijing, directed immediate cash withdrawals and obtained 700,000 yuan from HSBC using gold and silver as collateral. The crisis deepened when a Japanese individual was caught with counterfeit notes at HSBC, leading to an investigation that uncovered a larger counterfeiting ring in Osaka, Japan. The incident significantly undermined Tongshang Bank's credibility, leading to massive financial losses and the closure of several branches. The crisis culminated in Tongshang Bank withdrawing and destroying all existing notes and issuing new notes in early 1905.

Sources: Rodrigo and Rodrigo (2021), Goh (2020), Sheng (2014), Yan and Yi (2008), The Straits Times (1903)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by idiosyncratic fraud case at the Tongshang Bank.

May, 1916

In 1916, China experienced bank runs when the Republican government, under Yuan Shikai, faced fiscal challenges and suspended bank note convertibility between the Bank of China and the Bank of Communications. According to Ma (2012), widespread financial disruptions across the country were seen.

Sources: Ma (2012)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the fiscal problems of the government.

November, 1921

On November 15, 1921, both the Bank of China and the Bank of Communications in Beijing faced a bank run, largely due to the Beiyang government's financial policies and

the repercussions of the 1916 suspension of currency convertibility, according to China Banking and Insurance News (2021).

Sources: Gou (2016), Hao (2019), Pan (2014), China Banking and Insurance News (2021), Ma (2012), Kan (2012)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by financial government policies and the suspension of currency convertibility.

December, 1928

On December 10, 1928, the Sino-Japanese joint venture, Zhonghua Huiye Bank, suspended operations after experiencing a bank run, leading to widespread panic, rumors, and subsequent runs on several other banks in Beijing and Tianjin, according to Gou (2016).

Sources: Gou (2016), Ma (2012)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

1930

According to Viana (2022) and Metrick and Schmelzing (2021), there were bank runs on several institutions between 1930 and 1932, including the Sinhua Trust Savings in 1930, SHCS in 1931, and the National Industrial Bank of China in 1932. We assign these events to the first year, which is 1930.

Sources: Viana (2022), Metrick and Schmelzing (2021)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

1997

In the wake of the 1997 Asian Financial Crisis, there were widespread runs on banks in Guangdong province that quickly spread nationwide. The trigger for these runs was a series of scandals involving local officials and a manager at the China Construction Bank,

as well as concerns about the financial situation of rural credit cooperatives. Up to 70% of the banking system's assets were deemed insolvent and banks faced severe liquidity issues. 50% of all loans became underperforming, causing severe liquidity problems for banks.

Sources: Caprio and Klingebiel (2002), China Ministry of Finance (2014), Cousin (2011), The Washington Post (1997)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by spillovers of the Asian Financial Crisis.

November, 2019

In November 2019, two bank runs were recorded by articles published by Reuters. In the first case at Yichuan Rural Commercial Bank in Henan Province, the investigation of the bank's former chairman led to a wave of depositors withdrawing their funds due to concerns over the bank's stability. The second bank run at Yingkou Coastal Bank was sparked by rumors of a crisis at the bank, leading to a surge in customers withdrawing their deposits. Yingkou Coastal Bank, a small financial institution predominantly reliant on customer deposits, faced heightened depositor anxiety. This situation mirrored wider concerns affecting small Chinese banks, partly due to the government's previous takeover of Baoshang Bank. In response, Yingkou Coastal Bank increased its deposit interest rates to attract and retain customers, a move that raised questions about its long-term financial stability. The bank also visibly stacked bundles of cash at teller counters to manage withdrawals and reassure customers. Local government officials intervened to ease concerns and stabilize the situation, marking a shift from the central government's direct involvement in similar past incidents. This incident at Yingkou Coastal Bank reflected the broader challenges faced by small banks in China amid rumors and fears about their solvency.

Sources: Reuters (2019)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

April, 2022

According to Foreign Policy (2022), China experienced a wave of bank runs in April 2022 triggered by a freezing of deposits worth 40 billion yuan ($6 billion) and affecting 400,000 depositors. These bank runs started from three rural village and town banks (VTBs) in Henan province. Three more runs on VTBs happened within a month, including two in the neighboring Anhui province. Five of the six troubled VTBs have the same major shareholder bank, Xuchang Rural Commercial Bank. Not being able to withdraw their life savings led to protests by depositors, triggered panic over the solvency of small banks, and increased the nationwide risk of runs on small banks.

Sources: Foreign Policy (2022)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the inability to withdraw money from frozen accounts.

October, 2023

In October 2023, a bank run occurred at Cangzhou Bank, a regional bank in Cangzhou, Hebei Province, China, driven by concerns over the debt crisis of Evergrande Group, a major real estate company that defaulted in 2021. The situation was aggravated by circulating images and videos of depositors queuing for withdrawals, which led to a panic. Local authorities responded by arresting several individuals for allegedly spreading false rumors about the bank's financial troubles related to Evergrande. The Cangzhou government also released statements to reassure the public about the safety of their deposits. This incident is indicative of the broader challenges facing China's financial sector amid an ongoing real estate crisis.

Sources: Radio France International (2023)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by concerns about the effects of the failure of the real estate company Evergrande on local Chinese banks.

C.17 Colombia

July, 1923

In 1923, Colombia experienced several bank runs. This episode was triggered by an initial run on Banco Lopez on July 15, 1923. Banco Lopez had only been founded in 1919 and took heavy losses due to its exposure to the highly volatile coffee export market. This event gave rise to the founding of the Banco de la Republica, the country's central bank.

Sources: La Opinión (2023), Metrick and Schmelzing (2021)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

July, 1982

In July 1982, Colombia experienced a bank run on Banco Nacional. The bank ran into financial difficulties in 1981 when the companies and owners of Grupo Colombia began to default on their debts. Despite this, the bank continued to lend money to the same companies and owners. When the fraud at Financiera Furatena was discovered in June 1982, the public launched a run on Banco Nacional. The run forced the bank into liquidation later that year. Another run began on the Banco del Estado in August 1982, forcing its bailout and nationalisation in October 1982. This episode is also classified as a banking crisis by Laeven and Valencia (2018), Baron et al. (2021), and Reinhart and Rogoff (2009a), although Baron et al. (2021) do not classify it as a banking panic.

Sources: Laeven and Valencia (2018), Baron et al. (2021), Reinhart and Rogoff (2009a), Hernandez et al. (2022)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by idiosyncratic fraud cases and financial difficulties of Banco Nacional.

June, 1998

Colombia experienced a systemic banking crisis in 1998 that was also accompanied by a bank run, according to Steiner and Barajas (2000). We follow the timing in Laeven and Valencia (2018) and Baron et al. (2021) who date the start of the systemic crisis to June

1998 when the first bank failure occurred. Steiner and Barajas (2000) reports unfounded rumors spread over the internet as the cause of the run in May 1999. Laeven and Valencia (2018) reports financial losses for Colombian banks in 1998 as the cause of the banking crisis.

Sources: Laeven and Valencia (2018), Baron et al. (2021), Reinhart (2002), Steiner and Barajas (2000)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run. We find evidence that the run was caused by unfounded rumors about a bank's solvency. However, since the run episode was preceded by aggregate distress in the banking sector, we classify the episode rather as a fundamental run.

C.18 Costa Rica

November, 1987

In 1987, Costa Rica experienced bank runs following the collapse of Consorcia Cretiticia, which triggered a wider financial crisis. Reinhart and Rogoff (2009a) also consider this to be a systemic banking crisis.

Sources: Reinhart and Rogoff (2009a), Metrick and Schmelzing (2021), Bordo et al. (2001)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the collapse of Consorcia Cretiticia.

August, 2004

In August 2004, Costa Rica experienced a bank run on BAC San José due to a false rumor that regulators had intervened with the bank because of solvency issues, according to El Financiero (2023) and S. and D. (2004). The rumors were apparently spread on purpose to hurt the business of what was then Costa Rica's largest bank.

Sources: El Financiero (2023), S. and D. (2004)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

C.19 Croatia

March, 1998

In March 1998, Croatia experienced bank runs as a result of the failure of the country's fifth largest bank, Dubrovacka (5% of total assets). The problems at Dubrovacka bank triggered political turmoil, which in turn triggered runs on other banks perceived to be indirectly related to the institution. In July 1998, the sixth largest bank ran into problems, and several medium and small institutions also experienced liquidity problems in the autumn of 1998 and early 1999.

Sources: Laeven and Valencia (2018)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of Dubrovacka.

C.20 Cyprus

1939

Cyprus experienced localized bank runs and uncertainty regarding the position of the Bank of Cyprus, prompting the government to order banking holidays.

Sources: Metrick and Schmelzing (2021)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

C.21 Czech

May, 1923

In May 1923, Czechoslovakia experienced bank runs when bank failures led to widespread withdrawals of deposits from smaller banks across the country.

Sources: Baron et al. (2021)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by widespread bank failures.

May, 1931

The Creditanstalt Bank of Vienna's collapse in May 1931 started the Great Depression in Europe, triggering runs on Austrian Banks, and spread to banks in Hungary, Czechoslovakia, Romania, Poland and Germany. Bernanke and James (1990) also report deposit withdrawals.

Sources: Baron et al. (2021), Reinhart and Rogoff (2009a), Bernanke and James (1990)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by spillovers from the banking crisis in Austria.

March, 1939

In March 1939, bank runs in Czechoslovakia trigger a restrictive moratorium by the authorities, according to Metrick and Schmelzing (2021).

Sources: Metrick and Schmelzing (2021)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

June, 1994

The Czech Republic experienced multiple bank runs between 1994 to 2000 during its transformation to market economy. The first notable bank run occurred in 1994 following the collapse of Banka Bohemia, due to fraudulent activities. This incident exposed the financial system's fragility and led to the establishment of partial deposit insurance. Subsequently, the failures of Česká Banka and AB Banka in 1995 prompted further runs. These events triggered a broader restructuring aimed at small banks, which were a significant source of vulnerability within the banking sector.

Sources: Baron et al. (2021), Laeven and Valencia (2018)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the collapse of Banka Bohemia after the detection of fraud.

June, 2000

In 2000, the Czech Republic experienced a significant bank run involving Investiční a Poštovní Banka (IPB), the third-largest bank at that time. Operational troubles led to a swift run on deposits, and the Czech National Bank was compelled to place IPB under forced administration, followed by a hasty sale to Československá obchodní banka (ČSOB). This event marked a critical point in the Czech banking sector's post-communist transformation, highlighting the ongoing need for regulatory improvements and effective governance to sustain depositor confidence.

Sources: Baron et al. (2021), Dubská (2013)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by bank-level losses of the Investiční a Poštovní Banka between 1998-1999 (Dubská, 2013).

C.22 Denmark

1876

In 1876, several Danish savings banks suffered heavy losses and faced an outflow of deposits (Abildgren, 2018). The Savings Bank Crisis of 1876-1878 coincided with a depression of the global economy starting in 1873 (Abildgren, 2017).

Sources: Baron et al. (2021), Abildgren (2018), Abildgren (2017)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the global depression in 1873.

February, 1908

According to Baron et al. (2021), Metrick and Schmelzing (2021), and Jordà et al. (2017), Denmark experienced bank runs starting in February 1908 following the failure of Københavns Grundejerbank.

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Jordà et al. (2017)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of Københavns Grundejerbank.

September, 1922

According to Baron et al. (2021), Denmark experienced a bank run following the collapse of the major bank Landmandsbanken in September 1922.

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Jordà et al. (2017)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of Landmandsbanken.

October, 1992

In 1992, Varde Bank in Denmark was the target of a bank run after suffering losses of about kr. 700 million (Andersen and Dalsgaard, 2005).

Sources: Andersen and Dalsgaard (2005)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by losses at the Varde Bank.

C.23 Dominican Republic

April, 2003

In April 2003, the Dominican Republic experienced bank runs triggered by the collapse of Banco Intercontinental (BANINTER), the country's second largest commercial bank at the time. BANINTER was involved in a fraud and corruption scandal involving several politicians and businessmen, including former President Hipólito Mejía. The bank run led to a wider banking crisis and severe recession, including a sharp devaluation of the Dominican peso.

Sources: Metrick and Schmelzing (2021), Laeven and Valencia (2018), The Dominican Republic (2006), Freedom House (2003)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of Banco Intercontinental.

C.24 Ecuador

April, 1998

In April 1998, Ecuador experienced deposit runs following the closure of Solbanco, a smaller institution. The closure led to runs on other banks including two of the three largest banks. The resulting systemic liquidity crunch due to the contagion developed into a full-fledged banking crisis in August 1998. The situation worsened through 1999, compelling the government to freeze bank deposits and ultimately adopt the U.S. dollar as the official currency in 2000. Metrick and Schmelzing (2021) additionally report bank runs in early 2000, but these seem to be part of the same episode.

Sources: Metrick and Schmelzing (2021), Laeven and Valencia (2018), Reinhart and Rogoff (2009a), Ennis and Keister (2009), Jácome (2004)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of Solbanco.

C.25 Egypt

May, 1907

In May 1907, Egypt experienced bank runs that triggered a panic, according to Baron et al. (2021) and Metrick and Schmelzing (2021). Noyes (1909) reports a stock market panic in March 1907.

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Hu (2020), Noyes (1909)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run triggered by a financial crisis starting in January 1907 and culminating in a stock market panic in March 1907 (Noyes, 1909).

July, 1914

In July 1914, Egypt experienced bank runs after the closure of the stock exchange following the beginning of World War I.

Sources: Baron et al. (2021), Metrick and Schmelzing (2021)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run triggered by World War I.

July, 1931

In July 1931, Egypt experienced bank runs on the Cairo and Alexandria branches of the Deutsche Orientbank.

Sources: Baron et al. (2021), Reinhart and Rogoff (2009a), Bernanke and James (1990)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

C.26 Estonia

October, 1998

The shutdown of EVEA Bank and ERA Bank in 1998, with EVEA Bank collapsing due to its significant investments in Russian eurobonds and the ensuing major losses amid the Russian financial market's downfall, involved bank runs. EVEA Bank's collapse, followed by a swift loss of depositor confidence in ERA Bank, prompted a rush of withdrawals that led to ERA Bank's subsequent closure, demonstrating a classic liquidity crisis triggered by a rapid erosion of trust among depositors.

Sources: International Monetary Fund (1999a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run triggered by severe losses within the Estonian banking system.

September, 2008

In September 2008, Swedbank's Estonian branch experienced a bank run triggered by depositor concerns over the bank's financial stability. These concerns were fueled by a regional financial crisis, notably in the real estate market, and the broader global financial crisis which eroded trust in financial institutions. Swedbank's high exposure to real estate

loans heightened fears of potential defaults as property prices fell. In response, Sweden's central bank, Riksbank, expanded acceptable collateral for Swedbank, helping stabilize the subsidiary.

Sources: Metrick and Schmelzing (2021), OECD (2011), International Monetary Fund (2009)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by concerns about the financial situation of Swedbank amid the ongoing Global Financial Crisis.

C.27 Ethiopia

January, 2016

In January 2016, Ethiopia experienced a bank run after the Commercial Bank of Ethiopia (CBE) approved a $2 billion letter of credit request. In such cases, importers are required to deposit a certain percentage in birr with the bank. Over the next few weeks, a bank run occurred as individuals withdrew large sums of money from other banks to deposit in the CBE, according to Kflip (2023).

Sources: Kflip (2023)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by a decision of the Commercial Bank of Ethiopia to approve a $2 billion letter of credit request. The cause for the run episode was at the bank level.

C.28 Finland

November, 1900

In November 1900, Finland's Maanviljelyspankki bank experienced a bank run triggered by the recession at the beginning of the century, which was exacerbated by the bank's reckless expansion, aggressive interest rate competition, and fraudulent practices. The resulting bankruptcy marked the first time depositors in a Finnish commercial bank faced losses. The crisis prompted the Finnish state to stabilize the banking sector by depositing funds in banks, according to Herrala (1999).

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Jordà et al. (2017), Reinhart and Rogoff (2009a), Herrala (1999)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by a recession.

November, 1939

In 1939, the outbreak of the Winter War, triggered by the unexpected aggression of the Soviet Union, led to widespread bank runs in Finland. This financial turmoil escalated into a banking panic, prompting the Bank of Finland to impose restrictions on deposit withdrawals.

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Reinhart and Rogoff (2009a), Herrala (1999)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the Winter War against Russia.

C.29 France

August, 1704

In August 1704, reports of the French military's defeat at the Battle of Blenheim triggered a bank run on the Caisse d'Escompte, exacerbating a severe liquidity crisis following currency devaluations. In response, a royal decree suspended the operations of the Caisse d'Escompte until April 1705 and recapitalised the bank through new tax allocations.

Sources: Metrick and Schmelzing (2021), Félix (2018)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the defeat at the Battle of Blenheim.

May, 1720

In 1715, under the regency of the Duke of Orléans, France was on the verge of financial collapse and turned to the Scottish economist John Law for solutions. Law founded the Banque Générale Privée in 1716, advocated a switch from metallic to paper currency,

and acquired the Mississippi Company, an integral part of France's colonial trade. He proposed to issue shares in the company in exchange for government bonds to reduce the public debt inherited from the reign of Louis XIV, sparking speculative investment and a surge in public interest. The French government printed vast amounts of paper money to capitalise on this trend, which soon led to severe inflation and the devaluation of both currency and bonds. The stock of the Mississippi Company, which was tied to the national economy, collapsed in 1720, triggering a market crash in France and a widespread bank run that eventually led to a significant market collapse.

Sources: Beattie (2023), Metrick and Schmelzing (2021), Narron and Skeie (2014), Encyclopaedia Britannica (1998)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the fiscal collapse of France and the subsequent currency devaluation and inflation episode.

October, 1783

At the beginning of the French financial and debt crisis (1783-1788), the Caisse d'Escompte experienced a bank run in October 1783. An official decree allowed the Caisse to suspend convertibility until 1 January 1784. This crisis in France was due to the large debts incurred during its participation in the Seven Years' War (1756-1763) and the American Revolution (1775-1783), which led to severe financial turmoil.

Sources: Metrick and Schmelzing (2021)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the French debt crisis.

September, 1789

According to White (1995), France experienced bank runs due to further instability at the Caisse d'Escompte. Finance Minister Necker authorised the bank to suspend payments in the event of a run, and both the run and the suspension occurred in September 1789.

Sources: Metrick and Schmelzing (2021), White (1995)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the instability at the Caisse d'Escompte. This is a bank-level cause.

September, 1805

In September 1805, the Banque de France faced a bank run triggered by rumors of a depletion of French silver reserves due to Napoleon's military campaigns. The bank was faced with a substantial debt of 68 million francs and only 0.782 million francs in specie. This crisis forced the Banque de France into partial suspension. In response, Napoleon nationalised the bank's operations, injected 45 million francs of private capital and received some support from the treasury to stabilise it. The victory at Austerlitz in December 1805 helped to restore confidence in France's financial stability.

Sources: Metrick and Schmelzing (2021), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by rumors of a depletion of French silver reserves due to Napoleon's military campaigns.

December, 1838

According to Buyst and Maes (2008) and Reinhart and Rogoff (2009a), there were several bank runs in Paris in 1838 and 1839 following the failure of the Banque de Belgique.

Sources: Reinhart and Rogoff (2009a), Buyst and Maes (2008)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the Banque de Belgique.

February, 1847

In 1847, bank runs occurred against a backdrop of economic challenges in France, including an agricultural and cyclical crisis, which caused overstocked businesses to accumulate debt and delay payments. The runs were triggered by an increased demand for credit and a decline in debt payments to banks, leading some banks, such as Bontoux and Delhante in Lyon, to suspend payments. Other bank runs took place during the revolutions of 1848, when France was already facing a deep financial crisis and weakened money markets. The outbreak of the revolution caused panic, the stock exchange was closed and share

prices plummeted, leading to a widespread withdrawal of funds from banks. Some 250 banks suspended payments between February and April, and the Bank of France had to suspend cash payments on its banknotes. Despite measures to restore confidence, financial fragility persisted and the subsequent recovery was slow.

Sources: Alessio Moro and Tedde (2013), Reinhart and Rogoff (2009a), Bonin (2000)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by a recession.

1871

In 1871, France experienced bank runs during the Franco-Prussian War, according to Baron et al. (2021).

Sources: Baron et al. (2021)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the war between France and Prussia.

January, 1881

In 1881 and 1882, France experienced bank runs due to the collapse of the Banque de Lyon and the Union Generale. The crisis was primarily caused by a credit boom driven by stock market speculation but Baron et al. (2021) also considers this as a banking crisis.

Sources: Baron et al. (2021)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the Banque de Lyon and the Union Generale. The failure were caused by a credit boom.

March, 1889

In 1889, a speculative bubble in the copper market led to a bank run in France. Led by the industrialist Secrètan, who sought to monopolise the market, speculation relied heavily on bank loans and guarantees. The collapse in copper prices led to significant losses for banks, particularly Comptoir d'Escompte (CdE), which faced insolvency and

a subsequent bank run following the suicide of its chairman. To alleviate the crisis, the Bank of France provided a 100 million franc loan to the CdE, which helped to prevent a wider financial disaster.

Sources: Baron et al. (2021), Jordà et al. (2017), Hautcoeur et al. (2014), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the collapse of the copper market and the severe losses of the Comptoir d'Escompte.

July, 1914

In 1914, France's financial sector was severely disrupted by the outbreak of World War I in July and the closure of the Paris stock exchange. The crisis worsened when Germany declared war on France on 3 August 1914, and the French government suspended the conversion of banknotes into gold. According to the International Encyclopedia of the First World War, France also experienced bank runs during this period.

Sources: Mastin (2023), Baron et al. (2021)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the outbreak of World War I.

October, 1930

In October 1930, the beginning of the French banking crisis was marked by runs on provincial banks, signalling wider systemic financial instability. This turmoil was part of the wider global economic downturn that began with the stock market crash in the United States in 1929. The crisis in France was exacerbated by the country's adherence to the gold standard until 1936, which led to a deep recession, falling prices, rising unemployment and a deterioration in the competitiveness of French firms. Notable failures included local banks such as Banque Adam, and the Oustric Group, as well as the regional Banque d'Alsace-Lorraine and the national Banque Nationale de Crédit between 1930 and 1931. This first wave of bank runs subsided in February 1931.

Sources: Baron et al. (2021), Jordà et al. (2017), Reinhart and Rogoff (2009a), Lacoue-

Labarthe (2005), Bernanke and James (1990)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the global stock market crash.

September, 1931

In September 1931, France experienced a second wave of bank runs when depositors began withdrawing their funds from the BNC (Banque Nationale de Crédit) due to the shaky situation of Comptoir Lyon-Alemand, another bank, according to Lacoue-Labarthe (2005). The BNC was forced to close following another bank run in February 1932, reducing its deposits by 53.7%, leading to its amicable liquidation and the creation of a new bank, the National Bank of Commerce and Industry. This run on BNC triggered a panic that affected several other banks, including the Comptoir d'escompte de Reims and the Banque syndicale de Paris, leading to their closure. By November, several long-established provincial banks had failed, and by the end of 1931, according to Lescure (2005), some 230 banks had failed in these financial panics. Rumors of heavy losses at the Banque de l'Union Parisienne because of investments in Hungary led to withdrawals of 600 million francs in 1932, and the bank merged with the Crédit Mobilier Français in May 1932. In January 1933, the Banque Renauld failed. Crédit du Nord also took over the troubled Banque Générale du Nord in May 1934, a move that ultimately strengthened the bank. The crisis also led to the closure of branches throughout the country, with the total number of branches falling by more than 15% between 1931 and 1932.

Sources: Baron et al. (2021), Reinhart and Rogoff (2009a), Lacoue-Labarthe (2005), Lescure (2005)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by solvency issues at a variety of French banks.

September, 1938

According to Baron et al. (2021), France experienced bank runs in 1938 because of the impending war in Europe. There is evidence of large deposit withdrawals of around 4 billion francs in numerous bank runs on savings banks in the month of September alone.

Sources: Baron et al. (2021)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by impending war in Europe.

C.30 Germany

October, 1873

The "Gründerkrach" of 1873 was characterised by significant funding withdrawals and numerous bank failures. Rieder (2017) provides a detailed discussion of these events, including the failure of Quistorpsche Vereinsbank. Other banks that failed during this period include Allgemeine Depositenbank, Elberfelder Disconto- und Wechselbank, Unionbank, Dresdner Handelsbank, Sächsischer Bankverein, Sächsische Kreditgesellschaft, Thüringische Bank, and Stuttgarter Bank. The Berliner Bankverein, Berliner Wechslerbank, Frankfurter Bankverein, and the Niederlausitzer Bank were liquidated between 1876 and the 1880s.

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Jordà et al. (2017), Rieder (2017), Friedman and Schwartz (1963)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the Gründerkrach crisis, which coincided with a stock market crash.

September, 1891

In September 1891, Germany experienced bank runs as part of a broader banking crisis. According to Baron et al. (2021), such deposit withdrawals occurred in Berlin specifically, likely related to the failures of C. W. Schnöckel, Hirschfeld & Anton Wolf, Hermann Friedländer & Sommerfeld, and Eduard Maass. This interpretation is also supported by the description of this episode in Metrick and Schmelzing (2021).

Sources: Baron et al. (2021), Metrick and Schmelzing (2021)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the two banks.

June, 1901

In June 1901, Germany experienced bank runs. Two mortgage banks failed in the autumn of 1900. Pommersche Hypotheken Bank, Mortgage Bank of Mecklenburg-Strelitz failed and were saved by discount banks in 1901. Preussische Hypothekenaktienbank, Deutsche Grundschuldbank, Dresdner Creditanstalt and Leipziger Bank failed in 1901 as well, followed by some other smaller banks. The trigger of the banking crisis was bank losses of German banks on their Russian investments and mortgage speculations in 1900, according to Conant (1915).

Sources: Baron et al. (2021), Conant (1915)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by bank losses and mortgage speculation.

September, 1911

In September 1911, Germany experienced bank runs during the Agadir Crisis, which sparked a severe stock market plunge in Berlin. The Reichsbank assisted banks with considerable resources, but two banks in Goettingen still failed. The exact extent of the crisis is unclear, but it is estimated to have been far above 4 million Mark, according to the description by Metrick and Schmelzing (2021).

Sources: Metrick and Schmelzing (2021)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by a stock market crash.

July, 1914

According to Baron et al. (2021), who cite Holtfrerich (1980), German banks experienced severe bank runs at the beginning of World War I in July 1914, although these runs were not associated with major bank failures.

Sources: Baron et al. (2021), Holtfrerich (1980)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by World War I.

August, 1929

According to the description of Baron et al. (2021), Germany experienced a severe banking crisis in the summer of 1931, which worsened the economic slump caused by the Great Depression. The crisis was triggered by the collapse of Danatbank, one of Germany's four big universal banks, which had invested heavily in foreign bonds and suffered huge losses. The failure of Danatbank sparked a wave of panic and withdrawals from other banks, leading to the closure of more than 40 banks and the suspension of payments by the Reichsbank, Germany's central bank. Bernanke and James (1990) report the first bank runs and failures of smaller banks in August 1929, which we treat as the start date of the run. Jordà et al. (2017) also report widespread deposit withdrawals in 1930 and 1931, starting in June 1930.

Sources: Baron et al. (2021), Jordà et al. (2017), Bernanke and James (1990)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the collapse of Danatbank.

C.31 Ghana

2015

Ghana experienced bank runs from 2015 to 2018. This phase was characterized by a substantial number of bank failures, with 20 percent of banks collapsing between August 2017 and August 2018. The financial turmoil incurred a significant cost to the nation, amounting to 9.9 billion Cedi (about $2.2 billion), which represented approximately 3.5% of Ghana's GDP, according to Antwi (2020).

Sources: Antwi (2020)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by ongoing solvency issues in the aggregate banking sector, coinciding with high shares of non-performing loans (Antwi, 2020).

C.32 Greece

September, 1931

In September 1931, Greece experienced bank runs. During this period, 17 of the smaller banks failed or closed, but the larger banks survived. The panic started when the pound sterling abandoned the Gold Exchange Standard resulting in a currency devaluation in Greece.

Sources: Baron et al. (2021), Christodoulakis (2012)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by a currency devaluation.

January, 2015

In 2015, Greece experienced bank runs when people withdrew their money due to the political and economic uncertainty caused by the debt crisis and the referendum on the terms of the government bailout. The Greek government imposed capital controls in June 2015 to prevent the banking system from collapsing, limiting the amount of cash withdrawals and transfers. The Bank of Greece reported that household and business deposits fell to €133.7 billion in April 2015, the lowest level in a decade. Greek banks also relied heavily on emergency liquidity assistance from the European Central Bank, which reached €86.7 billion by the end of June 2015.

Sources: Financial Times (2015), The Guardian (2015), Forbes (2015), HuffPost (2015)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the sovereign debt crisis and political instability.

C.33 Hong Kong

March, 1892

In March 1892, Hong Kong experienced a bank run on the New Oriental Bank Corporation, which failed three months later, triggering a second wave of bank runs on other banks.

Sources: Baron et al. (2021), Sheehan (2018), Matlach (2010)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

June, 1961

In June 1961, Hong Kong experienced a bank run on the Liu Kong Hing Bank that lasted for several days. The run was blamed on malicious rumors spread by rivals of the bank's managing director, Liu Po-sang. The basis of the rumors was that the bank was under police investigation.

Sources: South China Morning Post (2008)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

January, 1965

In January 1965, Hong Kong experienced a bank run after new prudential regulations and a property downturn hit local Chinese banks with large exposures to unfinished property projects and other illiquid assets. The bank run continued in phases throughout the year, with one in January, three in April and four in November.

Sources: Hoffner (2022), Chan (1998), Cole et al. (1995)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by a regulatory change affecting all Chinese banks.

September, 1982

In September 1982, Hong Kong experienced a significant bank run on the Hang Lung Bank, triggered by public misperceptions and rumors. The incident began when an elderly woman, mistakenly believing that she could cash in a gold certificate from a local jeweller at any bank, was refused at Hang Lung Bank, leading her to publicly claim that the bank had run out of money. This caused widespread panic and a rush to withdraw funds, despite the bank's strong financial position with a liquidity ratio well above the required regulatory threshold. The situation was eventually stabilised by swift actions by the bank and the Hong Kong authorities, who worked hard to dispel rumors and restore

public confidence.

Sources: South China Morning Post (2008), The Business Times (1982)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

June, 1985

In September 1985, the Overseas Trust Bank (OTB), the third largest local bank in Hong Kong at the time, experienced a bank run triggered by loan losses and heavy exposure to a speculative property market. The crisis heightened concerns about the stability of Hong Kong's banking system, causing a loss of confidence among investors and depositors. In response, the Hong Kong government took over OTB to prevent a broader economic crisis, leading to significant reforms in the banking sector to enhance regulatory oversight and improve risk management practices.

Sources: South China Morning Post (2008), Bruner (2008), Li (1999)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by loan losses at the Overseas Trust Bank.

July, 1991

In July 1991, Hong Kong experienced bank runs, following the failure of the BCCI Group subsidiary on Standard Chartered Bank, Dao Heng Bank, International Bank of Asia, First Pacific Bank, and Citibank Hong Kong and protests by depositors (no deposit insurance scheme). These runs subsided after several days, according to Baron et al. (2021).

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Li (1999), Los Angeles Times (1991)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the BCCI Group.

January, 1998

In January 1998, Hong Kong experienced bank run on Peregrine Investment Holdings, following the spread of rumors triggered by the Asian financial crisis in 1997 adversely affected confidence in individual banks and the system as a whole, resulting in a short and temporary run on a local bank, according Baron et al. (2021)

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), International Monetary Fund (1998)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the uncertainty accompanying the Asian Financial Crisis.

September, 2008

In September 2008, Bank of East Asia, Hong Kong's fifth-largest bank by assets, experienced a bank run after rumors spread about the bank's financial health given its exposure to the ongoing US financial crisis. The run eased after reassurances from officials and the purchase of shares by a high-profile tycoon helped calm panicked depositors, according to China Daily (2008).

Sources: China Daily (2008)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the uncertainty accompanying the Great Financial Crisis 2007/08.

C.34 Hungary

July, 1873

In July 1873, Hungary experienced bank runs and massive withdrawals by depositors during the Austria-Hungarian "Gründerkrach". Also see C.6.

Sources: Rieder (2017)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the Gründerkrach crisis in Austria.

October, 1930

In October 1930, Hungary experienced a smaller bank run than the one that followed in 1931, but it seems to have been large enough to be considered a separate panic, according to the documentation in Baron et al. (2021). The run was triggered by either the Hungarian prime minister's announcement to introduce fiscal austerity or an increase in political uncertainty associated with the Reichstag election in Germany (Ágnes Pogány, 2014).

Sources: Baron et al. (2021), Ágnes Pogány (2014)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

July, 1931

In July 1931, Hungary faced significant bank runs, particularly in Budapest, as a result of the collapse of the Creditanstalt bank in Vienna, which marked the spread of the Great Depression in Europe. The crisis centred on the General Credit Bank, with depositors rapidly withdrawing their funds amid growing financial uncertainty. This led the Hungarian government to declare a bank holiday to stop all banking operations and stabilise the situation. The crisis was further intensified by the withdrawal of foreign investments, leading to a standstill agreement with foreign creditors to manage the escalating financial instability.

Sources: Macher (2015), Bernanke and James (1990)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the Creditanstalt bank in Vienna.

February, 1997

According to Barisitz (2007), Hungary experienced a depositor run on the sixth largest bank Postabank in 1997, which later failed and was partially privatized. The CEO of the bank was fired immediately after the run for his fraudulent behavior.

Sources: Baron et al. (2021), Barisitz (2007)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the fraudulent behavior of the CEO of the bank (Barisitz, 2007).

C.35 Iceland

September, 2008

In 2008, Iceland experienced a major banking crisis, which also featured bank runs. In March 2008, runs occurred at Landsbanki's Icesave and Kaupthing's Edge. In late September 2008, Glitnir Bank received a capital injection from the government, which was strongly opposed by a major shareholder, a media magnate, and the resulting media campaign against the bailout triggered a bank run. On 3 October 2008, there were further runs after Professor Gylfi Magnusson said in a radio interview that Iceland's banks were "technically bankrupt".

Sources: Coin Telegraph (2021), University of Iceland (2018), BBC (2016a), Einarsson et al. (2015)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the global financial crisis starting in 2007 in the US.

C.36 India

November, 1913

In 1913, India experienced a major bank run that had a significant impact on the country's financial system. This event, often referred to as the "Indian Banking Panic of 1913", was triggered by the failure of the Bank of Bombay and the subsequent rumors and panic that led to a widespread crisis.

Sources: Agrawal (2018), Indian Vagabond (2019), Palat (2011), Punjab National Bank (n.d.)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the Bank of Bombay.

March, 2001

In March 2001, a significant bank run occurred in Gujarat, India, primarily involving a large cooperative bank. This event was triggered by a fraud case where the bank had extended loans to stockbrokers without appropriate collateral. The immediate aftermath saw a ripple effect as the panic spread, leading to runs on other cooperative banks in the region.

Sources: Iyer and Puri (2012)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by a bank-level fraud case.

March, 2008

Following the failure of Bear Stearns and Lehman Brothers in the United States, India experienced a series of runs on private banks between 2008 and 2009. Triggered by a change in risk perception during the Global Financial Crisis, Indian depositors migrated from private banks to state-owned banks. Acharya et al. (2025) date the start of the run episode to March 2008 after Bear Stearns failed in the United States.

Sources: Acharya et al. (2025), Acharya et al. (2019)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the spillovers of the Global Financial Crisis 2007/2008.

C.37 Indonesia

July, 1991

In July 1991, Indonesia experienced a bank run at Bank Danamon. The event was triggered by rumors of operational difficulties at the bank. This situation led to a small run on the bank as customers withdrew their funds due to concerns about the bank's stability. In order to stabilise the situation, the Indonesian government had to step in. This incident was part of a series of financial difficulties experienced by various banks in Indonesia in the early 1990s, which pointed to underlying weaknesses in the country's financial sector.

Sources: Simorangkir (2012), Moreno et al. (1998), Montgomery (1997)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

November, 1992

In November 1992, Bank Summa became insolvent due to a significant portion of its loans turning non-performing, with a notable concentration in the real estate sector. Alarmingly, 70% of these bad loans were made to related parties, far exceeding legal lending limits. The situation at Bank Summa led to a severe liquidity crisis by 1992, necessitating emergency liquidity support from Bank Indonesia. Despite efforts to stabilize the bank, including a memorandum of understanding in which the owners committed to repay nonperforming connected loans and recapitalize the bank, the owners failed to meet their commitments. The bank's financial condition continued to deteriorate, leading to Bank Indonesia's decision not to grant any additional liquidity support and eventually to revoke Bank Summa's license in December 1992.

Sources: Baron et al. (2021), Reinhart and Rogoff (2009a), Kovanen et al. (2001), South China Morning Post (1999)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the bank-level losses at Bank Summa.

November, 1997

During 1997-1999, Indonesia experienced bank runs during the Asian Financial Crisis. We date the beginning of these runs as November 1997 as reported by Euromoney (2019a), which is also supported by data on bank-level deposit outflows reported in Simorangkir (2012). This event is also classified as a systemic banking crisis by Reinhart and Rogoff (2009a).

Sources: Baron et al. (2021), Euromoney (2019a), Laeven and Valencia (2018), Simorangkir (2012), Reinhart and Rogoff (2009a), Enoch et al. (2001), Watanabe (1998), BBC (1998)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the Asian Financial Crisis.

C.38 Iran

December, 2022

In 2022, Iran experienced bank runs due to a severe currency devaluation, which led to customers withdrawing their money from banks (widely supported by nationwide protests).

Sources: Nova News (2022), Iran International (2022a), Iran International (2022b), Witte (2022)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by a currency devaluation.

C.39 Ireland

September, 2008

In 2008, Ireland experienced a severe financial crisis that led to significant upheaval in the banking sector. There is evidence of runs on, among others, Anglo Irish Bank, where "depositors made massive withdrawals" (Chu, 2014). Baudino et al. (2020) also stress the widespread nature of runs on Irish banks and cite September as the beginning of deposit withdrawals. This episode is also classified as a systemic banking crisis by Jordà et al. (2017), Laeven and Valencia (2018), and Reinhart and Rogoff (2009a). Baron et al. (2021) treat this as a banking panic.

Sources: Baron et al. (2021), Baudino et al. (2020), International Monetary Fund (2018a), Laeven and Valencia (2018), Jordà et al. (2017), Chu (2014), Whelan (2013), Reinhart and Rogoff (2009a), Raidió Teilifís Éireann (2009)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, coinciding with the Great Financial Crisis.

C.40 Italy

November, 1893

The Banque Générale Française and Crédit Mobilier experienced significant bank runs starting in November 1893, which triggered similar runs on at least 10 other local banks,

according to Gigliobianco and Giordano (2010). This event is also considered a systemic banking crisis by Reinhart and Rogoff (2009a) and Jordà et al. (2017).

Sources: Baron et al. (2021), Jordà et al. (2017), Gigliobianco and Giordano (2010), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

September, 1907

According to Vercelli (2022), the 1907 banking crisis in Italy was accompanied by bank runs on the large mixed banks Banca Commerciale Italiana, Credito Italiano, and Società Bancaria Italiana. That said, these runs were relatively isolated, as there were no runs on cooperative banks, ordinary credit banks, and postal banks. Baron et al. (2021) date a banking panic to occur in September 1907. A stock market crash preceded the banking crisis between April and early summer 1907, according to Vercelli (2022). Especially, the Società Bancaria Italiana suffered large losses during the global stock market crash. When depositors became aware of the situation of Società Bancaria Italiana, they withdrew significant amounts of deposits.

Sources: Vercelli (2022), Metrick and Schmelzing (2021), Baron et al. (2021), Jordà et al. (2017), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by a large-scale stock market crash and the following banking crisis.

July, 1914

At the beginning of World War I, Italy experienced widespread bank runs as part of a broader banking panic as classified by Baron et al. (2021). Reinhart and Rogoff (2009a) also report this event as a systemic banking crisis.

Sources: Baron et al. (2021), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by World War I.

November, 1921

According to Baron et al. (2021) and Jordà et al. (2017), the runs on Banca Italiana di Sconto and Banco di Roma triggered a larger financial panic, leading to the liquidation of the former and the bailout of the latter. Banca Italiana di Sconto experienced an increase in the share of non-performing loans before the run, according to Bartoletto et al. (2018). Banca Italiana di Sconto was the third-largest Italian bank in 1921.

Sources: Baron et al. (2021), Jordà et al. (2017)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the increase in non-performing loans.

December, 1930

According to Bernanke and James (1990) and Jordà et al. (2017), In December 1930, Italy experienced a bank run involving its three largest banks. This financial turmoil was set against the backdrop of the international financial crisis that began in the United States in 1929, and Italy's adherence to the gold standard, which facilitated substantial capital outflows and deflation. The bank run caused widespread panic, leading to a significant reorganization and takeover of frozen industrial assets by the government in April 1931, aimed at stabilizing the situation.

Sources: Baron et al. (2021), Jordà et al. (2017), Gigliobianco and Giordano (2010), Bernanke and James (1990)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by capital outflows and deflation caused by the global Great Depression.

C.41 Ivory Coast

February, 2011

In February 2011, Ivory Coast experienced bank runs amid rumors of a cash shortage in a political crisis in the country, according to an article from The Guardian (2011c). The British bank Standard Chartered suspended operations in Ivory Coast, joining two other banks, BICICI and Citibank, and the regional stock exchange. Two months after a

contested presidential election that led the incumbent leader Laurent Gbagbo to refuse to cede power, international financial pressure supported his opponent, Alassane Ouattara, after troops seized the regional stock exchange.

Sources: The Guardian (2011c), CBS News (2011), The Guardian (2011b)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by a political crisis.

C.42 Jamaica

May, 1996

Jamaica experienced severe bank runs in 1996-97 in the context of a systemic banking crisis. Depositors withdrew their savings from weak local institutions and placed them in branches of foreign banks. Banks that experienced runs included Century National Bank, Citizens Bank, and Eagle Bank. The previous boom had been accompanied by rapid growth in the less regulated parts of the financial sector and poor supervision. The runs were preceded by tight monetary policy, weak governance, poor supervision, and poor management of the banks, according to Swaby (2011).

Sources: George (2022), Swaby (2011), International Monetary Fund (1999b)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by lax supervision and poor management of banks.

C.43 Japan

August, 1871

According to Shizume and Tsurumi (2016), the "exchange companies" (kawase-gaisha) were a prototype of modern commercial banks and started operating in 1869. However, they soon experienced runs, and all but one institution (in Yokohama) closed down. Because Shizume and Tsurumi (2016) do not explicitly date this event, only specifying that the runs happened "soon" after the kawase-gaisha were set up in 1869, we stick with the dating in Baron et al. (2021), who classify this episode as narrative evidence for bank runs in 1871. This is also consistent with the crisis dating in Jordà et al. (2017).

Sources: Baron et al. (2021), Jordà et al. (2017), Shizume and Tsurumi (2016)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

December, 1900

In December 1900, a suspension at Kyushu Ninth Bank was associated with localized bank runs in the Kyushu area, followed by further runs and a full-fledged banking crisis in early 1901. Both Metrick and Schmelzing (2021) and Jordà et al. (2017) classify this as an episode characterized by runs and panic, which is further supported by the discussion in Smitka (1998) and Juro Teranishi (1978).

Sources: Metrick and Schmelzing (2021), Jordà et al. (2017), Smitka (1998), Juro Teranishi (1978)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

February, 1907

According to Baron et al. (2021) and Jordà et al. (2017), a run on Nagoya Bank in February 1907 triggered a broader panic, which was associated with subsequent failures of several banks, including the One Hundred Thirty-Eight Bank. In total, 42 banks were affected by runs.

Sources: Baron et al. (2021), Jordà et al. (2017)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

April, 1920

After the end of the First World War, the Japanese wartime boom ended with major banking sector disruptions. According to Metrick and Schmelzing (2021), bank runs started in April 1920 following the collapse of Masuda Bank in Osaka, which triggered bank runs in several other regions. Both Jordà et al. (2017) and Baron et al. (2021) also discuss the

prevalence of bank runs.

Sources: Metrick and Schmelzing (2021), Baron et al. (2021), Jordà et al. (2017), Shizume (2009)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the Masuda bank.

February, 1922

According to Baron et al. (2021), the failure of Ishii Corporation, a lumber company, triggered a wave of bank runs. First concentrated in Kochi Prefecture and the Kansai region, the runs spread across the country starting in October and developed into a broader banking crisis (Shizume, 2009). This episode is also classified as a systemic banking crisis in 1923 by Reinhart and Rogoff (2009a).

Sources: Baron et al. (2021), Shizume (2009), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of a lumber company.

March, 1927

In 1927, following the Great Kanto Earthquake, the Japanese banking sector experienced several bank runs following a spike in disaster-related non-performing loans. Several sources mention the occurrence of bank runs, including Baron et al. (2021) and Jordà et al. (2017).

Sources: Baron et al. (2021), Jordà et al. (2017), National Graduate Institue for Policy Studies (n.d.)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the increase in aggregate non-performing loans.

November, 1997

According to several sources, the 1997 banking crisis in Japan was accompanied by runs. Nippon News (2017) states that, after the failures of Hokkaidō Takushoku Bank, Sanyō

Securities, and Yamaichi Securities, "on November 26 the run on banks followed". The occurrence of runs is also mentioned several times in a "post-mortem" document on the crisis by the BIS (Nakaso, 2001). Also in line with this interpretation, Enoch et al. (2001) mentions that "the perception of weakness in other banks in the system prompted depositors to more aggressively withdraw their funds from weakened depository institutions".

Sources: Nippon News (2017), Nakaso (2001), Enoch et al. (2001)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by multiple failures of Japanese banks during the 1997 banking crisis.

C.44 Jordan

August, 1989

According to Laeven and Valencia (2018), Jordan experienced a bank run in 1989 after the country's third-largest bank failed.

Sources: Laeven and Valencia (2018)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the country's third-largest bank.

C.45 Kazakhstan

February, 2014

In 2014, Kazakhstan experienced bank runs when large numbers of depositors gathered outside Kaspi Bank, Alians Bank, and Centrcredit Bank to withdraw their money. According to media reports, the initial trigger was general worries about currency devaluation, fueled by rumors on social media about the health of the three banks.

Sources: International Monetary Fund (2018b), Radio Free Europe/Radio Liberty (2014), Eurasianet (2014)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

C.46 Kenya

April, 2016

In 2016, Chase Bank Kenya, a mid-sized bank unrelated to the US bank with the same name, experienced a run due to "inaccurate social media reports" after chairman Zafrullah Khan and group managing director Duncan Kabui stepped down following concerns over the credibility of the bank's financials. The fallout was prompted by a restatement of financial results showing a more than doubling of "insider loans" made by the bank. The bank was put into receivership.

Sources: Quartz (2019), Gathaiya (2017), Business Daily (2016)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the step-down of the managing directors of the bank after it became public that the managers were engaged in issuing insider loans.

October, 2022

In 2022, First Community Bank (FCB) experienced a bank run when a large number of customers withdrew their money. The run followed reports of a disruption in the bank's services, prompting FCB to halt withdrawals. FCB was eventually acquired by Premier Bank.

Sources: Citizen Digital (2022), Business Daily (2022)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

C.47 Kuwait

October, 2008

In October 2008, Kuwait's Gulf Bank experienced a bank run after suffering losses on derivatives trading caused by the fall of the euro against the dollar. The bank was subsequently bailed out by the government, as were several other banks.

Sources: Euromoney (2009), Financial Times (2008a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by bank-level losses at the Gulf Bank.

C.48 Latvia

July, 1931

In 1931, Latvia experienced runs on the Bank of Liepaja and the Riga International Bank, mainly as a result of the ongoing Great Depression of 1930. Latvia saw an increase in enterprise bankruptcies between January 1931 and the end of 1932. The bankruptcies resulted in huge losses in the Latvian banking system. Depositors withdrew their money in response to the observed aggregate difficulties in the banking system, according to Karnups (2012).

Sources: Metrick and Schmelzing (2021), Karnups (2012)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by a series of bankruptcies of borrowing companies.

December, 2011

In 2011, rumors of financial instability led to bank runs at Latvia's Swedbank and Latvijas Krajbanka Bank. This came at the heels of large-scale depositor withdrawals following the failure of Parex Bank during the Global Financial Crisis, which left the financial sector in a vulnerable state.

Sources: Foreign Policy in Focus (2012), Business Insider (2011), The Wall Street Journal (2011)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

C.49 Lebanon

October, 1966

On 13 October 1966, Lebanon's largest bank, Intra Bank, collapsed after depositors rushed to withdraw their money amid rumors about the bank's solvency. At the time, Intra had

a market share of 38% of all deposits, owned nine other banks and controlled 35 other companies. When the bank lost $70 million in one day, leaving only $330,000 in its vaults, the run spread to other banks, prompting the Lebanese cabinet to declare a bank holiday and the stock exchange to close. The bank's founder, Yousef Beidas, blamed the Lebanese government's slow response and the central bank's unwillingness to provide liquidity support on the fact that he had made powerful political enemies.

Sources: The Beirut (2023), Time Magazine (1966)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

C.50 Libya

February, 2011

During the Libyan revolution, which began in February 2011, there were widespread bank runs across the country. To counter this, the Central Bank of Libya imposed a cash withdrawal limit of LD750 per person per month. The Central Bank of Libya reported that the total amount of cash withdrawn reached LD7 billion.

Sources: World Bank Group (2020), The Banker (2012)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the revolution in 2011.

C.51 Lithuania

December, 1995

In 1995, during Lithuania's transition period, and following the introduction of a currency board the previous year, the country experienced a systemic banking crisis, including runs on struggling private banks. The first and third largest private banks, Innovation Bank and Litimpeks Bank, were closed in December 1995, triggering large deposit withdrawals from other institutions. The long-term result of the 1995 episode was that three large Nordic banking groups ended up owning most of the banking sector (SEB, Swedbank and Luminor).

Sources: Eriksonas (2020), Laeven and Valencia (2018)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of multiple banks during the transition period in the 1990s.

C.52 Macau

September, 2005

In September 2005, Macau experienced a bank run following the announcement of impending US sanctions against Banco Delta Asia, a Macau-based bank owned by the Delta Asia Financial Group. As a result, the Macau government invoked a banking law to replace the bank's board with government appointees.

Sources: South China Morning Post (2005), The Economist (2005)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by financial sanctions against the Banco Delta.

C.53 Malaysia

July, 1985

According to Sheng (1989), Malaysia experienced bank runs on branches of a large domestic bank, following the collapse of the Overseas Trust Bank (OTB) in Hong Kong. The failure of Setia Timor Credit and Leasing in September and closure of the stock exchange in December prompted further runs.
Sources: Baron et al. (2021), Reinhart and Rogoff (2009a), Sheng (1989)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the Overseas Trust Bank.

September, 1997

In September 1997, Malaysia experienced a bank run on MBF Finance after news spread throughout Malaysia that the elderly Mr Loy, the founder of MBF Finance, was ill. The company experienced a run on its 120 branches across Malaysia.

Sources: The New York Times (1999), The Wall Street Journal (1999), Central Bank of Malaysia (1999), Kaplan and Ke (1998)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

C.54 Mexico

March, 1883

In March 1883, Mexico experienced a bank run on the Banco Nacional Mexicano amid mounting pressures in the financial system, marking the beginning of the panic.

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Reinhart and Rogoff (2009a), Conant (1909)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by financial pressure in the Mexican banking sector.

November, 1913

In November 1913, Mexico experienced a bank run following the imposition of a compulsory war tax on deposits. The banks were hit even harder because they were the main creditors of the federal government, which defaulted on its debts in 1913. The panic was well under way by the time specie convertibility was suspended in November 1913, as documented in Baron et al. (2021).

Sources: Baron et al. (2021)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by a government default and the introduction of war taxes.

December, 1920

Baron et al. (2021) describe a significant systemic banking crisis in Mexico beginning in December 1920, when the Compañía Bancaria de París y México suffered a severe outflow of deposits. "The trigger was a rumor that the Compañía Bancaria de París y México had made important advances to cotton growers" (Maurer, 2002). Bank runs spread to other

banks, and on January 7, the Mercantile Banking Corporation failed after experiencing large-scale deposit withdrawals. The trigger was again a rumor about misbehavior of the bank manager, according to Maurer (2002). This financial instability continued with a subsequent wave of panic and bank runs following the collapse of the Banque Française du Mexique in November 1922.

Sources: Baron et al. (2021), Reinhart and Rogoff (2009b), Maurer (2002)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

July, 1931

In July 1931, Mexico experienced a significant bank run, notably affecting Credito Español de Mexico and Banco Nacional de México. This event occurred during the global economic downturn of the Great Depression, which led to widespread financial instability. According to the documentation in Bernanke and James (1990), payments were suspended after a deposit run on these major banks.

Sources: Baron et al. (2021), Bernanke and James (1990)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run due to widespread global financial instability in the course of the Great Depression.

C.55 Montenegro

September, 2008

In September 2008, a substantial bank run occurred in Montenegro triggered by the global financial crisis following the collapse of Lehman Brothers, leading to depositors withdrawing about 30% of their holdings from Montenegrin banks. The impact was notably severe on Prva Banka, a major lender. To stabilize the financial system, the Montenegrin government guaranteed all personal and business deposits without limit and provided Prva Banka with a 44 million euros emergency liquidity loan in December 2008.

Sources: Reuters (2011), Central Bank of Montenegro (2010)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the spillovers of the Great Financial Crisis in 2007/08.

C.56 Myanmar

February, 2003

In February 2003, Myanmar experienced a bank run on Asia Wealth Bank, which spread to other major private banks. These runs began following the collapse of small finance companies and widespread rumors about the liquidity of major banks. It led banks to experience liquidity issues and an outright shortage of kyat (the national currency).

Sources: The Economist (2003), Turnell (2003)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by a series of collapses of smaller finance companies.

February, 2021

In February 2021, Myanmar experienced a bank run following a military coup. Branches of Myawaddy Bank in Yangon saw unusually high numbers of customers withdrawing money this week, despite only being open for a few hours in the morning, after anti-coup protesters called for a boycott of military-related businesses. There was widespread concern that the demand for cash across the country could cause the bank to collapse.

Sources: The Irrawaddy (2021), Central Banking (2021), Asia Times (2021), Pakistan Today (2021)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by a military coup.

C.57 Nepal

November, 2006

In November 2006, Nepal experienced a bank run when depositors flocked to branches of the Nepal Bangladesh Bank Limited across the country to withdraw their money following newspaper reports that the bank was on the verge of bankruptcy. In two days, the

bank's Nepalgunj branch paid out 80 million rupees in cash to its depositors, according to The Himalayan (2016) and Niraula (2020).

Sources: Niraula (2020), The Himalayan (2016)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by newspaper coverage about the bank-level solvency issues of the Nepal Bangladesh Bank.

June, 2011

In June 2011, a liquidity crisis severely affected five financial institutions in Nepal, including People's Finance Limited (PFL) and Vibor Bikas Bank (VBB). PFL had to close due to insufficient liquidity to pay depositors. VBB faced a crisis when it was unable to secure interbank funding, but was supported by Nepal Rastra Bank (NRB) with a loan of 500 million rupees. VBB's move to seek support from NRB caused panic among depositors and policymakers, who feared a Lehman Brothers-like collapse amid concerns about excessive credit exposure to the real estate and construction sectors.

Sources: The World Bank (2014a)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

C.58 Netherlands

July, 1914

In July 1914, the Netherlands experienced a bank run following the outbreak of the First World War. At the Rijkspostspaarbank, the national postal savings bank, more than a million guilders were withdrawn on 30 July. On the following two days, the figure rose to two and a half and almost five million guilders respectively. Banks responded by refusing to accept deposits. The government extended the period within which a bank had to honour a request for payment of deposits from two weeks to six months and allowed interim withdrawals of no more than 25 guilders per week.

Sources: Baron et al. (2021), Euwe (2012), van Zenden (1998)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the outbreak of World War I.

1921

A significant number of banks failed between 1921 and 1922, including reports of runs on smaller banks in 1921 (Stellinga et al., 2021). To avert a potential system-wide collapse, the authorities intervened to rescue several banks and prevent a more widespread bank run in 1922.

Sources: Baron et al. (2021), Stellinga et al. (2021)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes. The Dutch economy stagnated after 1920, but there is no evidence of a larger macroeconomic crisis that explains the series of runs.

October, 2009

In October 2009, the Dutch bank DSB experienced a major bank run when customers withdrew about one sixth of the institution's deposits. The run was triggered when Pieter Lakeman, a lawyer claiming to represent a collective of aggrieved clients in financial distress due to their investments in DSB financial products, appeared on Dutch public television and urged all depositors to participate in a mass withdrawal from the bank. In response to Lakeman's appeal, thousands of depositors heeded the call and withdrew their liquid deposits en masse.

Sources: Dutchnews (2009)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

C.59 New Zealand

September, 1893

In September 1893, New Zealand experienced a run on the Auckland Savings Bank. Customers withdrew more than £41,000, the equivalent of about $8 million in today's money,

because of unfounded rumors about the bank's bad investments. According to The New Zealand Herald (2015), the rumors were started by an eccentric woman called Margaret Sanders, who was ridiculed by young people for her peculiar behaviour and clothing. When she stumbled outside the bank after being pushed by youths and a large crowd gathered, it was falsely assumed there was a run on the bank, which triggered an (actual) run by depositors.

Sources: The New Zealand Herald (2015), Hunt (2009), The Star Newspaper (1893)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

August, 1988

New Zealand experienced a bank run in August 1988, when the United Building Society faced heavy deposit withdrawals, according to Hunt (2009). The run on United Building Society was preceded by a stock market crash in 1987 that impaired the health of New Zealand's banking sector. This event is also reported as a crisis by Baron et al. (2021), Reinhart and Rogoff (2009a) and Metrick and Schmelzing (2021).

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Reinhart and Rogoff (2009a), Hunt (2009)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run due to the preceding stock market crash in 1987 and the poor condition of New Zealand's banking sector.

C.60 Nicaragua

August, 2000

In August 2000, Interbank, the largest bank in Nicaragua, was seized due to the finding the management had committed fraud. Despite the announcement of full depositor protection, a bank run on other institutions occurred and continued until the Interbank was resolved in October 2000.

Sources: Laeven and Valencia (2018)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by a bank-level fraud case.

C.61 Nigeria

March, 1996

In 1996, Nigeria experienced a bank run on the Allied Bank of Nigeria after the clearing system was suspended due to the bank's overdrawn current account with the Central Bank of Nigeria, non-performing loans, and large-scale fraud. This triggered a run on the bank as most branches were bombarded by depositors trying to withdraw their funds.

Sources: Nigeria Deposit Insurance Corporation (2020)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by non-performing loans and fraud cases at the Allied Bank of Nigeria.

February, 2023

In 2023, Nigeria experienced a bank run due to a shortage of new banknotes as the central bank replaced old notes. Restrictions on cash withdrawals and businesses refusing to accept old notes led to long queues outside banks waiting for new notes.

Sources: Bloomberg (2023), PYMNTS (2023), Context News (2023), BBC (2023b), BBC (2023a)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by a shortage of bank notes and restrictions on cash withdrawals.

C.62 Norway

1857

In 1857, several banks experienced runs and banks curtailed lending. Following the bursting of the railway bubble in the United States in 1857, many banks had been hit because of low liquidity and high discount rates. When a Norwegian commercial bank increased its deposit rates, Norwegian savings banks were unable to compete and faced large-scale deposit withdrawals.

Sources: Gerdrup (2007)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the bursting of a railroad bubble and high discount rates.

June, 1899

In the summer of 1899, Norway experienced significant bank runs as part of a wider banking crisis. The immediate trigger for these runs was a combination of factors: the failure of Chr. Christophersen, a large, highly leveraged non-financial company, which triggered a crash in asset markets, and the resulting rumors about the financial health of Oslo's banks. This was compounded by the fact that Norges Bank had low banknote reserves as a result of an extensive credit expansion and vulnerability to gold outflows. These events undermined public confidence in the banking system and caused depositors to rush to withdraw their funds from banks, especially those perceived as weak, thereby exacerbating the crisis.

Sources: Gerdrup (2007)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by a crash in the asset market after the failure of Chr. Christopherse.

August, 1914

According to Eitrheim et al. (2016), the onset of World War I triggered bank runs in Norway in July and August. Withdrawals began in an orderly fashion but quickly escalated into a bank run, particularly noticeable on August 1, with significant queues forming outside banks like Christiania Sparebank before opening hours. Despite the panic, the system-wide impact was minimized due to commercial and savings banks imposing withdrawal limits. The situation stabilized following the declaration of a general debt moratorium on August 4, which helped to subside the panic throughout the month.

Sources: Baron et al. (2021), Eitrheim et al. (2016)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by World War I.

April, 1923

In April 1923, Norway experienced a bank run when Den norske Handelsbank was forced to suspend payments, followed by a run on the Foreningsbanken. The withdrawal of deposits was accelerated by the Act of 24 March (the Bank Administration Act), as it induced many depositors to withdraw funds from banks that did not seem safe enough and to deposit them in banks under public administration or in banks abroad, according to Baron et al. (2021) and Metrick and Schmelzing (2021).

Sources: Baron et al. (2021), Metrick and Schmelzing (2021)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

October, 1931

Following the abandonment of the gold standard in 1931, Norway's banking system experienced stress, triggering a bank run on Den norske Creditbank (DnC). Initially, DnC was believed to be experiencing liquidity problems, but by November 5, 1931, it became evident that the bank was also facing solvency issues. This revelation led the bank to propose a comprehensive rescue plan to Norges Bank, including measures such as a write-down of share capital to NOK 11 million. The bank requested a deposit of NOK 50 million from Norges Bank, without collateral and uncallable for three years, to stabilize its operations. Additionally, DnC sought a public declaration to secure the bank's operation, indicating the severity of its financial distress and the need for substantial support to avert failure.

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Lie (2020), Jordà et al. (2017)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by stress and solvency issues in the Norwegian banking system after the abandonment of the gold standard.

C.63 Pakistan

September, 2008

In September 2008, Pakistan experienced bank runs following rumors in the media about the potential failure of several financial institutions, according to an IMF working paper

by Farooq and Zaheer (2015). Depositors also feared that the government might seize the contents of bank accounts and vaults, a fear based on unfounded rumors according to Pakistan Today (2018). The deposit withdrawals led to a severe liquidity crunch. Demand deposits in the banking sector continuously fell over a period of seven weeks. In just three weeks, demand deposits declined by 4 percent or 131 billion Pakistani Rupees. The panic was contained within about two months through central bank interventions aimed at restoring liquidity in the banking sector. The panic in Pakistan was unrelated to the global Financial Crisis in 2007/08. Since the banking sector in Pakistan was not well connected, the Great Financial Crisis did not affect Pakistani banks much, according to Pakistan Today (2018).

Sources: Pakistan Today (2018), Farooq and Zaheer (2015)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

C.64 Panama

March, 1987

In March 1988, Panama experienced a run on its banks, following the U.S. move to increase financial pressure on the regime of Gen. Manuel Antonio Noriega. Private Panamanian banks decided not to open next day because they lacked the cash to handle an expected surge in withdrawals. One of the few banks that opened for business, Citibank, experienced a run as customers lined up to make withdrawals.

Sources: The Washington Post (1988b), The Washington Post (1988a), Los Angeles Times (1988), The New York Times (1988)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the freezing of the Panamanian government account by the United States.

C.65 Paraguay

April, 1995

In April 1995, the banking sector of Paraguay was hit by several bank runs after it became public knowledge that the Bancopar and Banco General were close to collapse (Garcia et al., 1999)

Sources: Garcia et al. (1999)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the collapse of Bancopar and Banco General.

June, 1997

In 1997, a series of bank failures triggered a systemic bank run (IMF, 2000). Depositors transferred their deposits from riskier domestic institutions to safer foreign institutions (International Monetary Fund, 2000; Garcia et al., 1999; Ostalecka, 2008). Several domestic banks such as the Banco Union, Ahorros Paraguayos, and BIPSA failed. After a period of relative stability without bank failures from 1996 to mid-1997, unresolved structural issues in Uruguay's banking sector led to the reemergence of a systemic crisis (Garcia et al., 1999). Due to the period of relative calm between 1996 and mid-1997, we treat the 1995 banking crisis and the 1997 banking crisis as separate events in this chronology.

Sources: Ostalecka (2008), International Monetary Fund (2000), Garcia et al. (1999)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by a series of bank failures.

July, 2002

In July 2002, Paraguay experienced a severe bank run following the collapse of Banco Aleman, according to an IMF Article IV consultation report. The run on Banco Aleman, owned by an Argentine-Uruguayan consortium, was triggered following reporting of losses at a Paraguyan mutual fund affiliated with the group. During the period from June to August, dollar deposits declined by more than 20% and local currency deposits by 12%. Although the central bank intervened to provide liquidity support, there were widespread banking issues, including at the state-owned national development bank (BNF).

Sources: International Monetary Fund (2003)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the collapse of Banco Aleman.

C.66 Peru

August, 1914

According to Baron et al. (2021), who cite Roberts (2014), on July 31 and August 1, 1914, Peru experienced significant bank runs at both Banco del Peru y Londres and the German Bank. In an effort to avert the collapse of these financial institutions, the Peruvian government declared a moratorium and implemented additional measures which ultimately prevented the banks from failing.

Sources: Baron et al. (2021), Roberts (2014)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the outbreak of World War I in Europe, according to Roberts (2014).

C.67 Philippines

August, 1968

According to Patrick and Moreno (1982) and several newspaper articles at the time, there were widespread bank runs in the Philippines in 1968, including on many savings banks (such as Provident Savings Bank). The run on the Overseas Bank of Manila, which ultimately closed in August 1968, although it was later re-opened under a different name. The run was accompanied by a widespread panic, prompting President Marcos to call for calm among the population. The runs were triggered adverse publicity in the newspapers, radio and television (Philippine Supreme Court, 1981).

Sources: Business World (2017), Lamberte (1989), Patrick and Moreno (1982), Philippine Supreme Court (1981), The New York Times (1968)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

June, 1974

In 1974, the collapse of Continental Bank precipitated a system-wide bank run, which later spread to other banks. Continental Bank had borrowed heavily in the money market and was involved in lending to affiliates and real estate projects. When the bank's president was arrested for alleged misappropriation of deposits and other irregularities, a run ensued, and the central bank decided to close the institution entirely. To avert a broader crisis, the central bank extended emergency loans and assured the public it would cover any liquidity problems.

Sources: Baron et al. (2021), Lamberte (1989), Dohner and Ponciano Intal (1989), Patrick and Moreno (1982)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the collapse of the Continental Bank.

March, 1977

In March 1977, General Bank and Trust Company (Genbank) experienced a run and was subsequently declared insolvent. The bank had already experienced a severe liquidity crisis during the time of the Continental Bank failure. Genbank was subsequently sold off and quickly reopened as Allied Bank.

Sources: Lamberte (1989), Patrick and Moreno (1982)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

January, 1981

In January 1981, the Philippines experienced a bank run following the disappearance of well-known business magnate Dewey Dee, who had borrowed heavily in the commercial paper market and left behind an estimated ₱500-800 million of debt. These news sent a wave of panic through the system, especially among money market investors and small depositors, causing commercial paper borrowers to default on a large scale. Small depositors shifted their deposits to large commercial banks, perceived as sounder financial institutions. The panic also spread to the thrift banking system that, while small, saw an

increase in the number of failed institutions.

Sources: Nascimento (1991), Dohner and Ponciano Intal (1989), Lamberte (1989)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the disappearance of Dewey Dee, who left behind a large amount of debt.

August, 1983

In October 1983, Philippines experienced widespread bank runs following the announcement of a moratorium on external debt payments to foreign commercial banks. This came at the heels of the panic that had affected other parts of the financial system starting in 1981 at the heels of the "Dewey Dee affair". By the end of this bank run episode, the largest government-owned banks DBP and PNB were among the hardest hit and had to be restructured; several private banks were shut down completely. These banking problems lasted several years, which included bank runs on Marcos-connected banks as reported by the L.A. Times at the time, as well as the collapse of PISO Bank and Manila Bank in 1987.

Sources: Nascimento (1991), Lamberte (1989), Los Angeles Times (1986)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the moratorium on external debt payments to foreign commercial banks.

April, 2000

In 2000, Urban Bank faced a bank run and was closed by the central bank on April 26, 2000. Following the Urban Bank closure, two medium-sized banks, International Exchange Bank (iBank) and the Philippine Bank of Communications (PBCom) in Davao City were also hit by bank runs. The run occurred because Urban Bank was downgraded to a thrift bank after failing to fulfill the increased capital requirements (The Philstar Global, 2000a).

Sources: Business Asia (2000), Philippine Daily Inquirer (2000), The Philstar Global (2000b), The Philstar Global (2000a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of Urban Bank to fulfill the increased capital requirements.

C.68 Poland

July, 1926

According to Bernanke and James (1990), bank runs caused three large banks to suspend payments, causing a crisis that continued through to 1927. The trigger was the slump of the zloty and a decline in farm prices (Landau and Morawski, 1995).

Sources: Landau and Morawski (1995), Bernanke and James (1990)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the slump of the zloty.

November, 2018

According to several news reports and a press release by the European Union, Getin Noble Bank experienced a bank run in 2018. In the run-up to the event, the bank had been struggling with low profitability since 2016, leading to the depletion of its capital base. In 2018, the bank experienced a run when around €2.25 billion (PLN 10.7 billion) in deposits were withdrawn in less than three weeks, partially because of worries about risks associated with its mortgage loans denominated in Swiss francs. Both the Getin Noble Bank collapse and failure of Idea Bank were tied to allegations of corruption against the financial regulator KNF, involving Leszek Czarnecki, the owner of both Getin Noble and Idea Bank.

Sources: European Commission (2022), S&P Global (2022), Bloomberg (2018b), Bloomberg (2018a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the low profitability of Getin Noble Bank.

C.69 Portugal

May, 1876

Following strong growth in the number of banks over the preceding decades, Portugal experienced a banking crisis in 1876. The crisis, initially triggered by bank losses on Spanish securities that depreciated in value during the preceding Spanish Financial Crisis, gradually spread from the North of the country. The resulting liquidity shortage caused bank runs starting in May 1876 (Silva, 2019, p. 8). Baron et al. (2021) classify this as a banking crisis reaching its climax in August 1876 that also featured bank runs.

Sources: Silva (2019)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by aggregate losses in the Spanish banking sector.

May, 1891

Portugal experienced a systemic banking crisis starting in 1890, beginning with problems at one of the country's largest banks, Montepia Geral. By May 1891, the "whole banking system was facing a bank run" (Branco et al., 2012, p. 6). Baron et al. (2021) classify this as a banking crisis, as do Reinhart and Rogoff (2009a) and Jordà et al. (2017). The problems at Montepia Geral in 1890 were enhanced by the failure of Baring Brothers in Great Britain (the so-called Baring Crisis), according to Branco et al. (2012).

Sources: Baron et al. (2021), Jordà et al. (2017), Branco et al. (2012), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the problems at the Montepia Geral and the Baring Crisis in Great Britain.

1920

In 1920, Portugal experienced a banking crisis amidst high inflation following the First World War. Reinhart and Rogoff (2009a), Jordà et al. (2017), and Baron et al. (2021) all classify this episode as a banking crisis. Baron et al. (2021) explicitly mention the incidence of bank runs.

Sources: Baron et al. (2021), Jordà et al. (2017), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by high inflation following World War I.

1923

Portugal experienced a banking crisis that also featured bank runs in 1923, as outlined by Baron et al. (2021). Jordà et al. (2017) call this episode a "banking panic". Several factors, including foreign demand shocks and tight monetary policy, were associated with the panic and a subsequent recession.

Sources: Baron et al. (2021), Jordà et al. (2017), Reis (1995)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by foreign demand shocks and contractionary monetary policy.

November, 1930

In November 1930, the banking house of Henrique Figueira da Silva on the island of Madeira suspended payments, which created widespread panic and bank runs. The ensuing crisis, largely caused by the global Great Depression that started in the United States, was accompanied by several bank failures.

Sources: Baron et al. (2021), Jordà et al. (2017), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the Great Depression in the US and the failure of the bank on Madeira.

January, 1935

In January 1935, Portugal experienced bank run on the Banco Micaelense. Shortly after, Banco do Faial suspended payments in April 1935. There was also a temporary suspension of payments by the Caixa Económica and further bank closures. While these events unfold in the Azores, we count them as a Portuguese bank run.

Sources: Lopes and Sequeira Dias (2010)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

C.70 Qatar

October, 2017

In October 2017, Qatar experienced major deposit outflows of non-residents in the aftermath of the economic blockade imposed by Saudi Arabia, Bahrain, the United Arab Emirates, and Egypt. Until the end of 2017, these outflows amounted to around 13% of Qatar's GDP, and the share of non-resident to total deposits dropped from 25 to 17 percent in a short time period. The Qatari banking sector was swiftly downgraded by rating agencies such as Moody's, but quickly recovered because of a large-scale liquidity injection by the government.

Sources: Ali (2020), The Banker (2019), Financial Times (2018)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the economic blockade by several Arab countries.

C.71 Romania

May, 1931

In 1931, Romania experienced bank runs at the heels of the German banking crisis, which spread from Austria to Hungary but also Romania. We date the start of runs as May 1931, in line with the descriptions in Schuker (1974) and Dominique and Nikolay (2022). Several banks experienced runs, including the Banca de Scont, Banca de Credit Roman and Banca Romaneasca.

Sources: Dominique and Nikolay (2022), Reinhart and Rogoff (2009a), Temin (2008), Ferguson and Temin (2001), Schuker (1974), Gavrilă (n.d.)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the spread of the banking crisis in Austria (the failure of Creditanstalt) in 1931.

C.72 Russia

June, 1859

In June 1859, Russia experienced "panic and a run on deposits" (Hoch, 1991) when the 1857 crisis led to the collapse of the banking system and a wave of defaults. The Russian State Bank was founded in 1860 coming out of the liquidation of the State Loan Bank and Credit Note Bureau.

Sources: Metrick and Schmelzing (2021), Hoch (1991)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the ongoing banking crisis of 1857.

October, 1875

In October 1875, Russia experienced bank runs, according to both Baron et al. (2021) and Metrick and Schmelzing (2021). The Moscow Commercial Loan Bank failed in 1875, and the Merchant Bank and Mutual Credit Society were rescued by the government. This episode is also coded as a systemic banking crisis by Reinhart and Rogoff (2009a). The run was triggered by bank-level losses related to the railroad business, according to The Argus (1876).

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Reinhart and Rogoff (2009a), The Argus (1876)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by bank-level losses related to the railroad business.

August, 1899

According to Lychakov (2018), 23 out of 40 banks experienced "acute retail and wholesale depositor runs" in 1899, including the Russian Trade and Industrial Bank, which had to be rescued by the State Bank. Petersburg Private Commercial Bank failed and was restructured by a consortium of foreign banks. Petersburg-Azov Bank collapsed in 1902 and Petersburg-Moscow Bank failed in 1904. Moscow International Trade Bank, Orel Commercial Bank, and South Russian Industrial Bank were deemed too important too fail and were also put under control of the State Bank. The run on the Russian Trade and

Industrial Bank was triggered by the bank owner becoming insolvent, preceding the stock market crash in September 1899 and the broader banking distress in 1900.

Sources: Baron et al. (2021), Lychakov (2018)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

1905

During the Russian revolution in 1905, there were runs on savings banks and government orders to limit gold withdrawals, according to Metrick and Schmelzing (2021).

Sources: Metrick and Schmelzing (2021)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the Russian revolution of 1905.

July, 1914

In July 1914, Russia experienced bank runs with the outbreak of World War I, characterized by massive deposit withdrawals, according to Metrick and Schmelzing (2021).

Sources: Metrick and Schmelzing (2021)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the outbreak of World War I.

August, 1998

Russia experienced bank runs starting in August 1998 after a massive devaluation of the Ruble. Through a variety of measures, the authorities were able to ultimately stop the run. Nevertheless, nearly 720 banks, representing half of those in operation, ultimately ended up insolvent.

Sources: Baron et al. (2021), Laeven and Valencia (2018), Pyle et al. (2013), Reinhart and Rogoff (2009a), Schoors (2003), Niinimäki (2002)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the devaluation of the Russian Ruble.

July, 2004

Following a longer period of banking sector issues that had started with the 1998 crisis, Russia experienced bank runs in July 2004 starting with massive withdrawals from Guta Bank, Russia's then-22nd largest bank. Within less than a month, depositors had withdrawn 10bn roubles (£188m), causing a liquidity crunch that quickly spread to other private institutions. The runs were triggered by the withdrawal of the license of a medium-sized bank on charges of money laundering in May. Rumors spread that the licenses of other banks might be withdrawn as well, causing a panic targeting a variety of banks, according to European Central Bank (2004).

Sources: Chernykh and Mityakov (2016), European Central Bank (2004), The Guardian (2004), Los Angeles Times (2004), Financial Review (2004), Bloomberg (2004)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

October, 2008

In October 2008, Russia experienced banks runs triggered by massive deposit withdrawals of 3.5 billion roubles ($134.2 million) in only two weeks at Globex bank. Russian banks found themselves almost completely cut off from external sources of funds, and experienced a sharp drop in the value of their financial assets. Russian banks were adversely affected by the global financial crisis in 2007/08. Russian banks were cut off from external funding and their value of assets deteriorated, according to Bank of Russia (2009). Baron et al. (2021) also classify this as a "panic", and it is classified as a banking crisis in Laeven and Valencia (2018) and Reinhart and Rogoff (2009a).

Sources: Baron et al. (2021), Reinhart and Rogoff (2009a), Bank of Russia (2009), The Economist (2008), Reuters (2008d), Financial Times (2008b)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the spillovers of the Great Financial Crisis 2007/08 on the Russian banking sector.

February, 2022

In Feburary 2022, Russia experienced bank runs after the ruble dropped dramatically at the beginning of Russia's invasion of Ukraine. There were reports of lines at ATMs and around buildings in Moscow as well as at Russian banks in Europe as depositors rushed to withdraw cash.

Sources: CNBC (2022), Schilling et al. (2022)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the invasion of Ukraine and the following devaluation of the Russian Ruble.

C.73 Saint Vincent and the Grenadines

January, 2013

A World Bank report states that the Saint Vincent Building and Loan Association (BLA), the largest mortgage lender in Saint Vincent and the Grenadines, "was able to weather a run on its deposits in 2013". The event occurred in January 2013 and followed the publication of a news report in The Vincentian highlighting governance and financial problems at the institution.

Sources: The World Bank (2014b), The Vincentian (2013)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by a report about bank-level problems at the Vincent Building and Loan Association.

C.74 Serbia

March, 1993

In March 1993, Serbia experienced a bank run when thousands of Serbs queued to retrieve their funds from Dafiment Private Bank. The run followed a deposit freeze by another private bank, Jugoskandik, after its president, Jezdimir Vasiljevic, fled the country. In both cases, the banks had initially lured depositors with sky-high deposit rates, which subsequently turned out to be unsustainable.

Sources: The Washington Post (1993)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by a deposit freeze by Jugoskandik, after its president fled Serbia.

October, 2008

According to an IMF country report, Serbia experienced a bank run in October 2008 when depositors quickly withdrew around 18% of the banking sector's total deposits (mostly savings deposits) within a time span of only six weeks. The run was predominantly due to "retail" depositors. Many Serbian banks were subsidiaries of European banks. Depositors lost confidence in the Serbian banking sector, fearing spillovers from European parent banks after the failure of Lehman Brothers in the US and the financial crisis in other European countries.

Sources: International Monetary Fund (2010b)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by spillovers of the Great Financial Crisis 2007/08.

C.75 Singapore

October, 1974

In October 1974, Singapore experienced a bank run on Chung Khiaw Bank Limited, then part of The United Overseas Bank Limited (UOB) Group. Due to rumors that the financial health of banks in Singapore had taken a hit, Chung Khiaw was rumored to face liquidity issues and could run out of money soon. Bank officials had to reassure the crowds not to panic, but it was not until 10.30pm before the last customer made a successful withdrawal of deposits.

Sources: Remember Singapore (2014), The Straits Times (1974a), The Straits Times (1974b), The Straits Times (1974c)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

C.76 South Africa

September, 1890

In 1890, there was a bank run on South Africa's The Natal Bank, once a major independent bank, triggered by the collapse of the Cape of Good Hope Bank. This initial run put further pressure on all banks. The Cape of Good Hope Bank's failure had followed a major bank robbery, which had caused the bank to suspend all payments.

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Reinhart and Rogoff (2009a), The Mercury (1890), The Bathurst Free Press and Mining Journal (1890)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the Cape of Good Hope Bank.

September, 1997

In 1997, South Africa's The Islamic Bank Ltd (IBL) faced a bank run and ultimately collapsed, following a longer history of regulatory breaches and loan losses. These problems, along with adverse publicity, led to a bank run due to liquidity concerns.

Sources: Rahman and Zada (2016), Taliep et al. (2012), Nathie (2010)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the bank-level reasons such as regulatory breaches and loan losses.

January, 2002

In January 2002, South Africa experienced bank runs associated with the failures and closures of several small and medium-sized banks, including Regal Treasury Bank, New Republic Bank, and Saambou Bank. The latter in particular, South Africa's seventh largest bank at the time, faced a run by "desperate clients", as did the Board of Executors (BoE), the fifth largest bank. According to Havemann (2021), the 2002-03 crisis led to the closures of half of South Africa's banks.

Sources: Metrick and Schmelzing (2021), Havemann (2021), Havemann (2019), Tjiane (2015), Independent Online (2008), News24 (2002)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by multiple bank failures.

C.77 South Korea

June, 1950

In 1950, South Korea experienced a "heavy run on deposits" following the outbreak of the Korean War. The immediate trigger was the outbreak of the Korean War. In response, the newly established Bank of Korea limited deposit withdrawals to 10,000 won per week and 30,000 won per month per household.

Sources: Metrick and Schmelzing (2021), Lee (2010)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the outbreak of the Korean War.

May, 1961

In 1961, South Korea experienced "massive bank runs" after the May coup, according to Metrick and Schmelzing (2021). After the coup, the military government of Park Chung-Hee gradually nationalised commercial banks.

Sources: Metrick and Schmelzing (2021), Lee (2010)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by a *Coup d'État*.

C.78 Spain

June, 1864

In 1864, the Bank of Spain experienced a bank run after the government involved it in the sale of public properties. Concerns about the solvency of the government led to a tumultuous run, leading the Bank to limit the convertibility of banknotes into specie.

Sources: Alessio Moro and Tedde (2013)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by concerns about the solvency of the Spanish government.

December, 1913

Starting in December 1913, Spain experienced a series of bank runs, including on the Credito de la Union Minera. These runs were triggered by concerns surrounding the outbreak of World War I.

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Jordà et al. (2017)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by concerns about the outbreak of World War I.

December, 1920

In 1920, there is a run on the Banco de Barcelona, which ultimately failed, triggering a further wave of runs on other institutions requiring intervention by the authorities. The run on Banco de Barcelona started after the bank announced heavy losses (Martín-Aceña, 1995).

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Jordà et al. (2017), Martín-Aceña (1995)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the heavy losses of the Banco de Barcelona.

September, 1924

In September 1924, Spain experienced bank runs that began in the summer of 1924, became acute towards the end of 1924 and lasted until September 1925, according to Baron et al. (2021) and Jordà et al. (2017). Preceding the runs, banks accumulated heavy losses and high shares of non-performing loans, according to Martín-Aceña (1995).

Sources: Baron et al. (2021), Jordà et al. (2017), Martín-Aceña (1995)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run due to deterioration in aggregate lending conditions.

April, 1931

In April 1931, Spain experienced bank runs that forced considerable central bank intervention, according to Baron et al. (2021) and Metrick and Schmelzing (2021). Jordà et al. (2017) also call this a "panic". The run episode was caused by a crisis of confidence around the proclamation of the republic and the announcement of the finance minister to block all bank accounts of financiers and industrialists, according to Martín-Aceña (1995)

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Jordà et al. (2017), Martín-Aceña (1995)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by political instabilities.

January, 1994

In January 1994, Spain experienced a bank run after Banco Espanol de Credito Banesto was taken over by the Bank of Spain when it discovered a huge capital shortfall in the bank's finances. Thousands of customers rushed to withdraw their money, according to The Independent (1994).

Sources: The Independent (1994)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by a bank-level capital shortfall.

C.79 Sweden

1709

In 1709, a deposit outflow at the lending bank forced the Riksbank to suspend convertibility of the lending bank deposits. The cause was the Swedish loss in 1708 at the battle against the Russians at Poltava in present-day Ukraine.

Sources: Metrick and Schmelzing (2021), Rodney Edvinsson (2018)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by a loss in the Sweden-Russian War.

1745

In 1745, Sweden experienced a bank run. As described by Metrick and Schmelzing (2021), a bank run forces the Riksbank's exchange bank to make deposits and banknotes inconvertible. The run coincided with a war between Sweden and Russia.

Sources: Rodney Edvinsson (2018)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run due to the Swedish-Russian War between 1741 and 1743.

February, 1808

In February 1808, at the onset of the Finnish War, a conflict between Russia and Sweden over the control of Finland, Sweden experienced bank runs in Stockholm, and spread across the country upon news of the Russian attack reaching the depositors, and more severe runs were recorded in 1809. The war lasted until 1809 and resulted in Russia's annexation of Finland, leading to the creation of the Grand Duchy of Finland as an autonomous buffer state.

Sources: Metrick and Schmelzing (2021), Kuusterä and Tarkka (2011)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the Swedish-Finnish.

1817

In 1817, a government audit revealed that Malmoe Diskont was insolvent, triggering a bank run that also spread to Gothenburg Diskont and Gota kanalbolagets. Malmoe was granted an emergency loan by the central bank but was ultimately shut down. While Metrick and Schmelzing (2021) date this event to occur in 1815, a Riksbank publication dates it to 1817, and we use this date.

Sources: Fregert (2022), Metrick and Schmelzing (2021)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by bank-level losses at the Malmoe Diskont.

December, 1857

In 1857, Sweden experienced a bank run on the country's first savings bank, Stockholms Enskilda Bank. The bank had been the first in Europe to issue banknotes in 1661. This triggered widespread deposit withdrawals among other savings bank. The trigger was an increase in interest rates in the informal market around the time when news about the US panic of 1857 reached the European continent (Fregert, 2022).

Sources: Fregert (2022), Wetterberg and Mikiver (2018)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by an increase in interest rates and by the global panic of 1857, starting in August 1857 the US.

December, 1878

Sweden experienced a major banking crisis in 1878 at the heels of the economic boom of the 1870s. Sweden's largest commercial bank at the time, Stockholms Enskilda Bank, suffered a run because of its large exposure to railway bonds in 1878. Ögren (2003), Baron et al. (2021), and Jordà et al. (2017) agree that the crisis featured bank runs and failures; Reinhart and Rogoff (2009a) also count this as a banking crisis.

Sources: Baron et al. (2021), Jordà et al. (2017), Reinhart and Rogoff (2009a), Ögren (2003)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by losses in railway bonds and deregulation of the banking system in the 1860s.

October, 1907

In October 1907, Sweden experienced bank runs, in the process of which 16 banks went bankrupt or were reorganized. Among the failed banks were Aktiebolaget Stockholms Kreditbank (1907), AB Sundsvalls Köpmansbank (1910), AB Sundsvalls folkbank (1910), AB Hudiksvalls Folkbank (1910), AB Linköpingsbank (taken over, 1910), AB Gäfle handelsbank (reorganized, 1910), Halmstads Bankaktiebolag (taken over, 1911), AB Sollefteå folkbank (merged, 1911), and Bankaktiebolaget Stockholm Öfre Norrland (taken over, 1911). The banking crisis was preceded by an increase in international interest rates

following the US stock market crash and the US recession in 1907, according to Grodecka-Messi et al. (2021).

Sources: Baron et al. (2021), Grodecka-Messi et al. (2021), Jordà et al. (2017), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the spillovers of the US stock market crash of 1907.

1912

In 1912, Sweden's Aktiebolaget Stockholms folkbank experienced a bank run and a subsequent payment suspension. The bank was eventually liquidated in 1914. The bank's ultimate failure was attributed to continuous losses.

Sources: Kenny et al. (2023)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by bank-level losses. Kenny et al. (2023) does not specify the duration of the continuous losses. We classify this run episode conservatively as a fundamental bank run by assuming that the losses might have caused the run in 1912.

March, 1932

In March 1932, Skandinaviska Kreditaktiebolaget faced a bank run following losses on its exposure to the Kreuger industrial and financial group. The bank had been the group's largest creditor. Jordà et al. (2017) also count this as a crisis, although they do not mention runs.

Sources: Baron et al. (2021), Jordà et al. (2017), Lonnborg et al. (2011), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by bank-level losses.

September, 1939

According to Metrick and Schmelzing (2021), there were "minor bank runs" in September 1939 after the outbreak of war in Europe, and banks turned to the Riksbank for emergency discounts. There was a jump in Riksbank discounting from 13 million to 197 million SEK during Sep-Dec 1939. We still count this as an episode of bank runs, because we use deposit data to quantify how "minor" the runs were.

Sources: Metrick and Schmelzing (2021)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the outbreak of World War II.

April, 1992

In April 1992, Gota Bank, the fourth largest bank in Sweden, experienced a bank run when SEK 2 billion, or 5% of its deposits, were withdrawn in one week, triggered by an announcement from its parent company that it was unwilling and unable to support the bank any further. This episode is also classified as a systemic banking crisis by Baron et al. (2021), Jordà et al. (2017), Laeven and Valencia (2018), and Reinhart and Rogoff (2009a). The run was preceded by two years of continuous aggregate losses in the Swedish banking sector, according to Englund (2015).

Sources: Makhija (2022), Baron et al. (2021), Laeven and Valencia (2018), Jordà et al. (2017), Englund (2015), Reinhart and Rogoff (2009a), Urwitz (1998)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by aggregate banking losses.

C.80 Switzerland

April, 1859

In 1859, there was a run on Banque Générale Suisse in Geneva; the bank faced withdrawals of 75% of all deposits. The bank had to suspend payments in 1859 and was liquidated in 1869.

Sources: Metrick and Schmelzing (2021), Gerlach and Kugler (2018), Jöhr (1915)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

1865

In 1865, Banque Cantonale du Valais faced liquidity problems. The eventual run and closure happened in 1870. According to Gerlach and Kugler (2018), the run on Banque Cantonale du Valais was caused by bad investments, causing a political scandal involving the resignation of several local government members.

Sources: Gerlach and Kugler (2018), Jöhr (1915)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by bank-level causes such as bad investments.

July, 1870

There was a banking crisis in Switzerland in 1870, caused by the inability to obtain supply of coin from France, leading to runs and a rush to convert notes for coin. Both Baron et al. (2021) and Metrick and Schmelzing (2021) consider this to be an episode characterized by runs.

Sources: Baron et al. (2021), Metrick and Schmelzing (2021), Conant (1915)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the inability to obtain coins from France.

March, 1914

In July 1914, Switzerland experienced bank runs amid a panic caused by the outbreak of World War I, which led to large-scale deposit withdrawals until the central bank intervened.

Sources: Baron et al. (2021), Reinhart and Rogoff (2009a), Bachmann et al. (1932)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by World War I.

July, 1931

In July 1931, the failure of Banque de Geneve caused deposit runs in Geneva. Many banks were restructured. 3 major Swiss banks required direct assistance from the government and SNB. Federal government directly deposited CHF 20M at Diskountbank to provide assistance due to lack of liquidity.

Sources: Baron et al. (2021), Baumann (2007)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of Banque de Geneve.

June, 1991

In 1991, amid a major banking crisis, regional savings banks such as Spar & Leihkasse Thun in particular faced bank runs. Jordà et al. (2017) consider this as a systemic banking crisis, characterized by a regional bank crisis fund and large-scale interventions by the central bank. By the end of the crisis episodes, around half of the 200 regional banks had disappeared.

Sources: Jordà et al. (2017), Basel Committee on Banking Supervision (2004)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by a collapse of house prices, causing large losses on mortgage loans within the Swiss banking sector (Basel Committee on Banking Supervision, 2004).

March, 2023

In March 2023, Switzerland experienced a significant bank run involving Credit Suisse, one of its major financial institutions. The run was triggered by a combination of factors, including deep concerns about the bank's financial stability and a series of internal scandals. These internal issues, which involved a spying scandal and the collapse of significant investment funds like Archegos Capital and Greensill Capital, eroded investor and customer confidence. Additionally, the broader financial market instability, particularly following the collapse of Silicon Valley Bank in the U.S., further heightened the sense

of insecurity among the bank's customers, leading to the massive withdrawal of 61 billion Swiss francs (about £55 billion) in the first quarter of the year. This situation ultimately led to a rescue takeover by UBS, another Swiss banking giant, in a deal overseen by Swiss authorities to stabilize the financial system.

Sources: Wionews (2023), The Independent (2023), BBC (2023c), CNN (2023)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by bank-level financial stability concerns and a series of internal scandals.

C.81 Taiwan

February, 1985

In August 1985, a corruption scandal involving Tenth Credit Cooperative revealed that the chairman was using deposits to speculate in stocks and real estate. Announcements questioning the solvency of the institution led to a run, causing a drop of 6.18 billion yuan in only 5 days. This initial run had knock-on effects and caused massive deposit withdrawals at other institutions. The Cathay Investment and Trust Company, also owned by Cathay, also suffered from withdrawals as a result of involvement in a wider corruption scandal.

Sources: United Daily News Taiwan (2023), The Central News Agency (2023), Baron et al. (2021), Lee (1998), The New York Times (1985c)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by bank-level fraud, a scandal, and a rumor about losses.

July, 1995

In July 1995, Taiwan experienced bank runs following the failure of the Chanuga Fourth Credit Union. Ye Chuanshui, general manager of Changhua Fourth Credit Cooperative, misappropriated more than NT$2.8 billion in members' deposits, the news about which triggered a run that also spread to several other institutions. The Chanuga Cooperative was ultimately taken over by the Cooperative Bank of Taiwan.

Sources: Baron et al. (2021), Lee (1998), Chinese Television News (1995), CommonWealth Magazine (1995)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the Chanuga Fourth Credit Union.

November, 1998

Starting in November 1998, Taiwan experienced bank runs, starting with massive withdrawals at Central Bill Finance Company, Hung-Fu Bill Finance Company, and Taichung Business Bank. Sporadic runs continued to occur in 1999, and several failures were largely resolved through arranged mergers. The runs were preceded by an increase in the aggregate share of non-performing loans, according to Montgomery (2002) and Montgomery (2003).

Sources: Baron et al. (2021), Montgomery (2003), Montgomery (2002)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by aggregate distress in the banking sector.

January, 2000

Taiwan experienced several bank runs in 2000. In April, it was revealed that Zhongxing Bank had engaged in illegal over-lending, leading to a run by its depositors. The amount of abnormal withdrawals exceeded 13 billion. Other institutions that experienced runs were Taiwan Development and Trust Corporation as well as Overseas Chinese Bank. Although these runs came at the heels of a previous episode of banking problems starting in November 1998, they appear to be a separate episode, and we thus classify them as a distinct event.

Sources: Montgomery (2002), CommonWealth Magazine (2000), Chinese Television News (2000)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by illegal lending behavior of the Zhongxing Bank.

January, 2007

In January 2007, Taiwan experienced a bank run when Rebar and Jiashihua, two companies under the Rebar Group, filed a petition for reorganization on December 29, 2006. These news were delayed until January 4, 2007, and then triggered a run on Rebar Group's subsidiary China Commercial Bank. In order to avoid a systemic crisis, the government provided liquidity to support the withdrawal of cash by drawers. However, the amount of withdrawals within a single week still amounted to NT$50 billion.

Sources: Wei et al. (2007), Risk (2007), Financial Times (2007)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of two financial companies under the Rebar Group.

C.82 Thailand

August, 1984

In August 1984, Thailand experienced a bank run on The Asia Trust Bank, following mismanagement and internal conflicts, which prompted the Ministry of Finance to take over the ownership and management of the bank. Reinhart and Rogoff (2009a) explicitly mention the incidence of runs starting in 1983.

Sources: Baron et al. (2021), Laeven and Valencia (2018), Reinhart and Rogoff (2009a), Sundaravej and Trairatvorakul (1989), Johnston (1989)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by bank-level mismanagement.

May, 1996

In May 1996, Thailand's Bangkok Bank of Commerce experienced a bank run and the Ministry of Finance took control of the institution. Further runs ensued, including on the finance companies that had fueled the rapid increase in real estate credit. Quickly after these events evolved into the Asian financial crisis when Thailand floated its currency in July 1997, sparking panic across Asia by October 1997. The Bank of Commerce already ran into trouble in 1994 after the banking sector in Thailand experienced an aggregate

decline in asset values, according to Moreno et al. (1998).

Sources: Baron et al. (2021), Laeven and Valencia (2018), Vanikkul (2007), Laplamwanit (1999), Moreno et al. (1998), Adams et al. (1998)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by bank losses and an aggregate decline in asset values in 1994.

February, 2014

In February 2014, Thailand experienced a bank run when the Government Savings Bank (GSB) lent 5 billion baht to the Bank for Agriculture and Agricultural Cooperatives, a bank that runs the government's rice programme, and was nearing insolvency. This decision led to a run on the GSB as depositors were either worried about the stability of the GSB or unwilling to see their money used to help the government, according to an article by Reuters.

Sources: Reuters (2014a), Bangkok Post (2014), The Nation (2014)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by government lending to a bank nearing insolvency.

C.83 Trinidad and Tobago

1939

According to Wai (2010), Trinidad and Tobago's Barclays Bank DCO suffered a run on its San Fernando operations after the announcement that Britain was going to war with Germany in 1939.

Sources: Wai (2010)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the outbreak of World War II.

1988

In 1988, Trinidad and Tobago experienced a bank run following the closure of the Worker's Bank (WB), according to Wai (2010). The run was prompted by a rumor about the imped-

ing collapse of the National Commercial Bank of Trinidad and Tobago (NCB), which led to an abrupt withdrawal of approximately TT$100 million within ten days. The chairman of NCB speculated that this bank run was deliberately instigated by the established banking hierarchy to eliminate the last remaining "black" bank.

Sources: Wai (2010)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the closure of the Worker's Bank and the spread of rumors about the impending collapse of NCB.

C.84 Turkey

October, 1895

During October 1895, the Ottoman Imperial Bank (the country's only local bank) faced a major run after the bank's shares had tumbled in London and then the Galata Bourse due to the firm's exposure to crashing South African gold mining stocks. Fear of an insolvency of the bank triggered the run, which may have been related to what has been called the "Armenian crisis", although this is not entirely clear.

Sources: Davutyan (2023), Metrick and Schmelzing (2021), The Argus (1895)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by bank-level losses of the Ottoman Imperial Bank.

July, 1914

The outbreak of World War I triggered bank runs in the Ottoman Empire. Triggered by an initial run on the local branches of the Wiener Bankverein, panic ensued, leading to runs on other banks as well, including Imperial Ottoman Bank, Oriental Deutschebank, Credit Lyonnais, Bank of Salonika, and the National Bank of Turkey. The run on several of these institutions, including Imperial Ottoman Bank, was caused by the fact that they were majority-owned by French and British interests.

Sources: Baron et al. (2021), Autheman (2018), Roberts (2014)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the outbreak of World War I.

July, 1931

In July 1931, the Turkish branches of Deutsche Bank experienced a run in response to developments in Germany, according to the company's historical documents and Bernanke and James (1990). This incident is also documented by Reinhart and Rogoff (2009a) and Baron et al. (2021), while Metrick and Schmelzing (2021) speak of "financial volatility".

Sources: Historical Association of Deutsche Bank (2009)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the banking crisis in Germany.

December, 1981

Turkey experienced a systemic banking crisis around 1980-82, with existing chronologies disagreeing about the exact dates. An interest rate liberalization in 1980 created a large industry of brokers, which also attracted fraudsters. When Cevher Özden, owner of Turkey's largest brokerage house Banker Kastelli, fled to Switzerland in late June 1982 following the impeding collapse of the institution, this caused widespread runs. By 1984, several major banks had failed.

Sources: Gormez (2022), Silverman (2022), Metrick and Schmelzing (2021), Kaminsky (2006), The Washington Post (1982), The New York Times (1982a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the collapse of Banker Kastelli.

January, 1991

In January 1991, following the start of the Gulf War in the previous year, Turkey experienced severe bank runs. As a reaction, the government guaranteed all deposits.

Sources: Reinhart and Rogoff (2009a), Kaminsky (2006)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the outbreak of the Gulf War.

February, 2001

Turkey experienced banks runs in February 2001 following failure of the largest "Special Finance House", Ihlas Finance. The immediate trigger was an announcement that the deposits of special finance houses would not be covered by the Deposit Insurance Fund, which led depositors to withdraw their funds. Kuwait Turk Evkaf Special Finance House (KTEFH) saw the largest amount of withdrawals among these.

Sources: Baron et al. (2021), Laeven and Valencia (2018), Reinhart and Rogoff (2009b), Starr and Yilmaz (2007)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the announcement that the deposits of special finance houses would not be covered by the deposit insurance.

C.85 Uganda

May, 1999

In May 1999, Uganda experienced a bank run on the Housing Finance Company of Uganda (HFCU), a non-bank financial institution partly owned by the government, which followed the closure of four insolvent institutions. Brownbridge (2002) stresses that this was the only serious run on a (sound) financial institution during this period, and even this run was quickly brought under control by the government's public announcement that HFCU was safe.

Sources: Brownbridge (2002)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the insolvency of four finance companies.

C.86 Ukraine

August, 1998

Starting in August 1998, Ukraine experienced bank runs as public confidence in the banking system deteriorated following the Russian crisis. In December, some banks imposed a $500 per day withdrawal limit to stem deposit outflows.

Sources: Laeven and Valencia (2018), Taran (2012)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the banking crisis in Russia.

September, 2008

In September 2008, Ukraine experienced a bank run on its sixth largest bank, Prominvestbank. After experiencing internal problems, there were rumors about the bank's insolvency, causing massive deposit withdrawals and a panic among customers. As a result, several other banks (both large and small) faced runs. One reason for the internal problems was a dispute among shareholders about the solvency of the bank, according to Shestak (2013). The National Bank of Ukraine mentioned an informative attack on the bank associated with a hostile takeover attempt.

Sources: Shestak (2013), Taran (2012)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the insolvency of four finance companies.

February, 2014

In February 2014, Ukraine experienced bank runs accompanied by a drop in bank deposits by 7 per cent of deposits, or 30 billion hryvnias ($3.3 billion), between 18 and 20 February. Because of these runs, central bank reserves dwindled, and the central bank considered lending to five of the country's banks to prevent further runs when a large number of customers withdraw money at the same time. The runs happened against the backdrop of violent insurgencies especially in the Donetsk and Luhansk regions.

Sources: Metrick and Schmelzing (2021), The Banker (2020), CNBC (2014), NBC News

(2014), Reuters (2014b)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the war in the Eastern provinces.

C.87 United Arab Emirates

August, 1990

In August 1990, the United Arab Emirates experienced a bank run. Between 15 and 30 per cent of customer deposits were transferred out of the UAE as a result of the uncertainty following Iraq's invasion of Kuwait in August 1990, according to a report on photius.com. At least two banks required cash injections from the central bank to maintain liquidity, but confidence and deposits gradually returned. A further crisis rocked the UAE banking sector in 1991 when the Luxembourg-registered Bank of Credit and Commerce International (BCCI) was closed in most of the sixty-nine countries in which it operated.

Sources: Euromoney (2019b), Coutsoukis (2004), U.S. Congress (1992)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the invasion of Kuwait.

C.88 United Kingdom

May, 1696

In May 1696, Britain experienced a bank run when goldsmiths ran on the newly established Bank of England.

Sources: Metrick and Schmelzing (2021)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

1707

In 1707, the Bank of England experienced a bank run triggered by rumors of a French invasion, as described by Metrick and Schmelzing (2021).

Sources: Metrick and Schmelzing (2021)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run triggered by the threat of a French invasion during the War of the Spanish Succession.

November, 1745

In 1745, as described by Metrick and Schmelzing (2021), England experienced bank runs as a result of the Highlanders' advance.

Sources: Metrick and Schmelzing (2021)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run triggered by the rebellion in the Scottish highlands during the Jacobite rising of 1745.

June, 1772

In June 1772, banks in Scotland, particularly the Ayr Bank, experienced significant bank runs, which quickly spread to England and other parts of Europe, signaling a broader financial crisis. The economic background was characterized by speculative investments in East India Company stock, among other ventures. The immediate trigger was the collapse of Neale, James, Fordyce, and Down, a London bank, due to the heavy losses incurred by partner Alexander Fordyce in stock speculations.

Sources: Kenny et al. (2021), van der Geest (2021), Neal (1991)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run that was triggered by aggregate banking sector distress. The immediate causes were the speculative investments in East India Company stocks that caused a broader financial crisis, resulting in the collapse of Neale, James, Fordyce, and Down.

May, 1815

According to Kenny et al. (2021), banks in the United Kingdom experienced severe bank runs from 1815 to 1816. This financial crisis occurred during a period of economic adjustment following the end of the Napoleonic Wars, transitioning the economy from wartime

to peacetime conditions. Reinhart and Rogoff (2009a) date the crisis from 1815-1817, noting speculation in agriculture, a general depression in property prices, and widespread bank failures.

Sources: Kenny et al. (2021), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run that was triggered by aggregate banking-related causes. The immediate causes were speculation in agriculture, a general depression in property prices, and widespread bank failures.

May, 1820

In 1820 and 1821, the United Kingdom experienced several episodes of bank runs and a wider banking crisis, according to Kenny et al. (2021). We date the start of this episode to May 1820. Kenny and Turner (2019) find that the crisis in Ireland began in late May with the closure of Roches' Bank and Leslie's Bank, which quickly triggered a run on the Cork Savings Bank. In June 1820, the Caledonian Mercury reported bank runs in Scotland. This episode is not mentioned in Reinhart and Rogoff (2009a).

Sources: Kenny et al. (2021), Kenny and Turner (2019), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run that was triggered by the closure of Roches' Bank and Leslie's Bank, resulting in a broader banking crisis.

December, 1825

The Panic of 1825 has been described as one of the world's first international financial crises (see, e.g., Olmstead-Rumsey, 2019). It followed a major boom in credit and speculation in the preceding years, which came to a crashing halt with the drying up of money market liquidity in mid-December, followed by runs on many London banks. Specifically, the panic began on 12 December 1825, when the London bank Pole, Thornton & Co. suspended payments, which in turn triggered panic among depositors at Pole's correspondent banks. By the end of that year, these spillovers were particularly damaging to small "country banks", 30 of which were declared bankrupt by the end of December (and 41 more the following year). Reinhart and Rogoff (2009a) also date this as a banking

crisis, referring to it as the "Panic in London".

Sources: Fulmer (2022), Olmstead-Rumsey (2019), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run that was triggered by the drying up of money market liquidity in mid-December.

December, 1840

There are several reports of runs during the banking crisis of the late 1830s. Kenny et al. (2021) refer to this episode as the "crisis of 1840-41", while others date it to the late 1830s (e.g., Turner, 2014). Reinhart and Rogoff (2009a) put the starting date at 1837. While there were several newspaper reports of bank runs in 1840 and 1841, we date the start of this episode to December 1839, when the Truro & St. Columb Bank (Turner & Co) experienced a run and was subsequently taken over, according to Kenny et al. (2021). Kenny et al. (2021) reports "poor economic conditions preceded the bank failures of 1840 and 1841" as the cause of the series of bank runs.

Sources: Kenny et al. (2021), Turner (2014), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run that was triggered by "poor economic conditions preceded the bank failures of 1840 and 1841" (Kenny et al., 2021).

October, 1847

The United Kingdom experienced a banking crisis in 1847, caused by the collapse of a speculative boom in railway shares. The crisis led to bank runs that "accelerated" in October, according to Metrick and Schmelzing (2021). After lending freely between January and September, the Bank of England (BoE) stopped lending against shares and treasury bills in October. The Panic of 1847 led to a bank run in London in October 1847, when several large merchant banks and discount houses faced liquidity problems and could not meet their obligations. As described in detail on the basis of primary sources in Kenny et al. (2021), the bank run spread to other cities and regions, causing many banks to fail or suspend payments.

Sources: Kenny et al. (2021), Metrick and Schmelzing (2021)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run that was triggered by the collapse of a speculative boom in railway shares.

November, 1857

In 1857, the United Kingdom experienced bank runs. Private assistance was given to the Western Bank, but it failed along with the City Bank of Glasgow (which was temporarily suspended), as described by Metrick and Schmelzing (2021). These events "caused a run on the other banks", according to an article in the Liverpool Mail at the time, as quoted in the appendix by Kenny et al. (2021). The incidence of runs is also mentioned by Reinhart and Rogoff (2009a) to have happened in Glasgow, Liverpool and London.

Sources: Metrick and Schmelzing (2021), Kenny et al. (2021), Riddiough and Thompson (2012), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run that was triggered by the failure of the Western Bank and the City Bank of Glasgow.

May, 1866

In 1866, the UK experienced bank runs following the unexpected failure of Overend, Gurney & Co, which triggered a systemic banking crisis. Overend & Gurney had been the largest player in the London interbank market at the time. An article in the Banker's Magazine at the time, quoted in Xu (2022), provides clear evidence of runs: "It is impossible to describe the terror and anxiety that seized men's minds ... a run immediately began on all the banks, the magnitude of which ... can hardly be imagined." Overend & Gurney's failure followed a speculative boom in the 1860s. The bank's surprise collapse was due to the fact that it had expanded away from its core business as a discount house rather than a retail bank, into riskier investments without adequate collateral, and had systematically misled its investors about its financial position.

Sources: Xu (2022), Kenny et al. (2021), The House of Commons (2008)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental**

bank run that was triggered by the failure of Overend, Gurney & Co after the bank's fundamentals deteriorated.

September, 1878

In 1878, the United Kingdom experienced bank runs starting in late September, when the collapse of the City of Glasgow Bank triggered a wider panic that affected several other banks. While Kenny et al. (2021) do not classify this episode as a systemic banking crisis, their appendix reports clear evidence of runs in, among others, the South Wales Daily News, the Belfast Telegraph and the Cardiff Times.

Sources: Baron et al. (2021), Kenny et al. (2021), The House of Commons (2008)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run that was triggered by the failure of the City of Glasgow Bank.

July, 1914

In 1914, the UK faced bank runs as part of a wider financial crisis triggered by the outbreak of World War I. Austria's ultimatum to Serbia on 23 July was a key triggering event, likely causing a stock market crash and runs on savings banks. The ensuing panic also led to a run on the Bank of England as depositors sought to exchange their notes for gold. A major campaign in the run-up to the opening of the banks on 7 August helped to prevent a further escalation of the runs. Although not counted as a banking crisis by Kenny et al. (2021), who describe the savings bank runs in the Appendix, evidence of runs is also discussed in Roberts (2014) and Baron et al. (2021). Reinhart and Rogoff (2009a) also treat this episode as a banking crisis.

Sources: Kenny et al. (2021), Baron et al. (2021), Roberts (2014), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run that was triggered by the outbreak of World War I.

July, 1973

In 1973, the UK experienced the so-called "Secondary Banking Crisis" and there is some evidence that this episode was accompanied by bank runs. As described by Baron et al. (2021), there were bank runs at "some of the fringe banks". Bank of England (1978) also

mentions "a run on deposits". In the course of the crisis, many finance companies and secondary banks failed or were rescued, amid widespread intervention such as Operation Lifeboat. 1973 is also marked as a banking crisis by Jordà et al. (2017) and Duca et al. (2017).

Sources: Baron et al. (2021), Duca et al. (2017), Jordà et al. (2017), Turner (2014), Reid (1982), Bank of England (1978)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run that was triggered by the resignation of "a respected city banker [..] who had been appointed to strengthen the banking division" at London and County (Bank of England, 1978). The resignation caused a liquidity dry-up in the money market, enhancing the liquidity problems of London and County. The problems of London and County triggered runs on other secondary banks (Turner, 2014).

September, 2007

In September 2007, the UK experienced a bank run on mortgage lender Northern Rock. The run followed a report on the BBC evening news that the bank had asked the Bank of England for help, and the central bank announced emergency liquidity support the next day. The bank was eventually nationalised in February 2008. In the course of the wider banking crisis that followed, several other banks received government bailouts.

Sources: Baron et al. (2021), Jordà et al. (2017), Shin (2009), The House of Commons (2008), Reuters (2008c)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run that was triggered by a broader global banking crisis starting in the subprime mortgage market in 2007 in the US.

C.89 United States of America

April, 1814

According to Reinhart and Rogoff (2009a) and Metrick and Schmelzing (2021), there were widespread bank runs in New Orleans, including on the Planter's Bank, Bank of New Orleans, and Louisiana Bank; also see Calomiris and Gorton (1991). Panic ensued among merchants, planters, and other citizens as they rushed to exchange paper bank notes for specie. The panic was likely related to the ongoing trade embargoes and blockades during

the War of 1812. Bordo and Wheelock (1998) quote Thorp (1926) as describing this episode as being characterized by "financial chaos".

Sources: Metrick and Schmelzing (2021), Keyes (2013), Reinhart and Rogoff (2009a), Bordo and Wheelock (1998), Calomiris and Gorton (1991), Thorp (1926)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the trade embargoes during the War of 1812.

May, 1819

In 1819, the contractionary monetary policies of the Second Bank of the United States amplified the effects of declining crop prices and land values. State banks throughout the nation suspended specie redemptions and many were forced into insolvency. The Second Bank lacked the ability to serve as a lender of last resort, which allowed bank runs to spread. Bordo and Wheelock (1998) quote Smith and Cole (1935) in stressing that "[b]anks with extended loans to speculators were now confronted with a demand for specie". According to Rothbard (1962), "New England ... was the only area little touched by bank failures or runs". Thorp (1926) dates the panic to May 1819, which we follow here.

Sources: Chambers and Higgins (2023), Metrick and Schmelzing (2021), Reinhart and Rogoff (2009a), Bordo and Wheelock (1998), Zeretsky (1996), Calomiris and Gorton (1991), Rothbard (1962), Smith and Cole (1935)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the contractionary monetary policy.

October, 1833

In November 1833, the United States experienced bank runs and suspensions in several states, including New York, Pennsylvania, Georgia, New Jersey, and Virginia, according to Metrick and Schmelzing (2021). Jalil (2015) documents many mentions of bank runs in the Niles Weekly Register, and Thorp (1926) also classifies this as a panic. These runs came at the heels of a political decisions by President Andrew Jackson, a fierce opponent of the Bank of the United States, who decided to withdraw the government deposits from the quasi-central bank, precipitating runs.

Sources: Metrick and Schmelzing (2021), Jalil (2015), Zeretsky (1996), Thorp (1926)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes. We regard the withdrawal decision of President Jackson as an idiosyncratic decision unrelated to economic fundamentals.

May, 1837

In 1837, the United States experienced bank runs following first signs of distress in New Orleans and New York in March and April (see Metrick and Schmelzing, 2021; Jalil, 2015). Severe bank runs in New York in May led to a suspension of specie payments, following the publication of an investigation by the New York Bank Commissioners in the New York Herald into a fraudulent scheme run by the president of Mechanics Bank, a major Wall Street bank. An initial run on Mechanis Bank quickly spread to other institutions involved in the scheme and eventually led to a general run on all banks in New York City.

Sources: Metrick and Schmelzing (2021), Hilt and Liang (2020), Jalil (2015), Reinhart and Rogoff (2009a), Bordo et al. (1999), Zeretsky (1996), Calomiris and Gorton (1991)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by a fraudulent behavior of New York banks.

April, 1841

Jalil (2015) documents mentions of bank runs in the Niles Weekly Register in 1842, followed by reports of bank failures, and further reports on a banking panic with runs in New Orleans. There is also evidence of isolated runs in March 1842 in Philadelphia, which in turn followed a series of bank runs in April 1841 in several states prompted by the suspension of specie payments at the Second Bank of the United States (also see Reinhart and Rogoff, 2009a). We thus treat April 1841 as the start date of this bank run episode. While Jalil (2015) only classifies this episode as a "minor banking panic". For the purpose of our dataset, however, what matters is that there is clear narrative evidence of any run, and we thus treat it as a period where runs occurred.

Sources: Jalil (2015), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the decision of the Second Bank of the United States to suspend specie payments.

September, 1854

Starting in September 1854, the United States experienced bank runs emanating from the interior (especially West and Northwest). The runs followed reports about widespread fraud in the stock market involving several major railroad shares. The panic subsequently also reached New York, triggering a general run on savings banks in January 1855 (Jalil, 2015). In February 1855, after the parent company of Page, Bacon & Co. failed due to speculation in railroad shares, this led to panics in San Francisco, resulting in massive withdrawals from the bank, with $600k being withdrawn in a single day out of the $2M in deposits the bank held. The panic spread to several other banks and led to their failure.

Sources: Dematos (2023), Jalil (2015), Gráda and White (2003), Thorp (1926)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by detected fraud in railroad stocks, causing banks to fail.

September, 1857

In 1857, United States experienced bank runs following the failure of the Ohio Life Insurance and Trust Company due to mismanagement and fraudulent activities in August. Given Ohio Life's role in the market for margin loans, and given its large depositor base, this event created panic among banks, leading to a first set of runs in September, including on the Bank of Pennsylvania. These runs reached "dramatic" proportions in New York City in October (Jalil, 2015), and banking was suspended entirely on October 14 in New York and throughout New England.

Sources: Fulfer (2022), Jalil (2015), Klitgaard and Narron (2015), Reinhart and Rogoff (2009a), Gráda and White (2003), The New York Times (2001), Bordo et al. (1999), Calomiris and Gorton (1991), Library of Congress (n.d.)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the Ohio Life Insurance and Trust Company after the detection of fraudulent activities.

September, 1861

In December 1861, banks in several U.S. cities—including New York, Philadelphia, Boston, and Baltimore—suspended specie payments following heavy withdrawals of coins (Jalil, 2015). These withdrawals were driven by a loss of public confidence in the federal government's fiscal capacity amid the ongoing Civil War.
Sources: Jalil (2015)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by a loss of confidence in the federal fiscal capacities during the Civil War.

September, 1873

In 1873, the United States experienced bank runs following the collapse of Jay Cooke Bank, which in turn came at the heels of a stock market crash in Vienna that led investors to dump their American railroad bonds. The banking crisis was the result of a debt-driven railway boom that had come to a standstill. The closure of Jay Cooke, one of the most prestigious merchant banks, on 18 September shocked the city and triggered a widespread panic. On that day, and intensifying until 20 September, depositors rushed to withdraw their funds in a series of bank runs in New York City. Several prominent banks failed and the New York Stock Exchange was closed for 10 days for the first time ever.

Sources: Fulmer (2022), Baron et al. (2021), Jordà et al. (2017), Metrick and Schmelzing (2021), Jalil (2015), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the Jay Cooke Bank due to the spillovers of the international Gründerkrach panic, which originated in May 1873 in Austria.

May, 1884

The United States experienced several bank runs in 1884. These events started when, on 8 May 1884, the brokerage firm Grant and Ward failed amid heavy losses on speculative investments, which in turn led to the closure of its large creditor Marine National Bank. Soon after, the Second National Bank experienced a run when it was discovered that its president had embezzled $3 million and fled to Canada. Another run on Metropolitan National Bank triggered by rumors about fraudulent conduct with depositor funds by

the bank's president led to its collapse, even though it later turned out that these rumors had been false. By putting a halt to the publication of bank statistics in order to avoid further runs, the New York Clearinghouse Association likely stopped these in their tracks.

Sources: Hoffner and Steffen (2022), Baron et al. (2021), Jalil (2015), Richardson and Sablik (2015), Sprague (1910)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the brokerage firm Grant and Ward.

June, 1893

In 1893, the United States experienced bank runs, which started in May and became especially pronounced over the months of June, July, and August. This instability arose for two key reasons. First, the Sherman Silver Purchase Act of 1890 led to a decrease in the gold reserves maintained by the U.S. Treasury, which fell to about $100 million from $190 million in 1890. This fall in gold reserves raised concerns at home and abroad that the United States might be forced to abandon the gold standard, which prompted some depositors to withdraw bank notes and convert them into gold. Second, different from many other bank runs during this period, there was already a sign of slowing economic activity in the run-up to 1893, with newspapers mentioning an "existing depression". As such, fear of weakened bank balance sheets due to reports of failures and bankruptcies led to a stock market crash and deposit withdrawals, causing widespread bank runs.

Sources: Baron et al. (2021), Jordà et al. (2017), Jalil (2015), Grossman (2010), Reinhart and Rogoff (2009a), Carlson (2005), Rothbard (1962), Sprague (1910)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the slowdown of economic growth and the increase in circulating silver by the federal government.

December, 1896

According to Jalil (2015), the failure of the National Bank of Illinois triggered runs on other institutions in the region in December 1896, although the panic was overall short-lived and apparently isolated to the midwest. This episode is also classified as a panic by, among others, Long and Summers (1984) and Calomiris and Gorton (1991).

Sources: Jalil (2015), Calomiris and Gorton (1991), Long and Summers (1984)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the National Bank of Illinois.

October, 1907

In October 1907, the United States experienced runs on a group of New York banks that were involved in speculating in the commodities market by misappropriating bank funds. Following a collapse in copper prices, the news caused widespread panic in New York. The subsequent failure of Knickerbocker Trust Company led to a spread of runs across the entire country.

Sources: Baron et al. (2021), Jordà et al. (2017), Jalil (2015), Constitutional Rights Foundation (2012), Sprague (1910)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the Knickerbocker Trust after accumulating losses in the commodities market.

July, 1929

In July 1929, there were widespread runs in Florida when a Mediterranean fruit fly epidemic destroyed the state's citrus crop. Doubts about farmers' ability to repay their loans, and a lack of response from Congress about compensating them for their losses, triggered bank runs on institutions in citrus-growing areas and the failure of a key correspondent group headquartered in Tampa, Citizens Bank and Trust Company, which served as a regional financial center. While the Federal Reserve Bank of Atlanta was able to halt the panic by providing member banks with currency, these runs foreshadowed the more widespread runs in the following year.

Sources: Metrick and Schmelzing (2021), Carlson et al. (2010)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by an increase in non-performing agricultural loans due to a fruit fly epidemic.

November, 1930

In 1930, the United States experienced bank runs following the collapse of Caldwell and Company of Nashville, Tennessee in November, the largest financial holding company in the South. These runs quickly became widespread, causing hundreds of banks to ultimately suspend operations in just a few weeks. On December 11, 1930, the Bank of United States, the fourth-largest bank in New York City, failed, causing depositors to withdraw their funds. While these panics came at the heels of the more localized runs in Florida in the previous year, they were entirely separate events, so we code them as such. In early 1931, the wave of bank runs subsided.

Sources: Baron et al. (2021), Jordà et al. (2017), Richardson (2013)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the collapse of the Caldwell and Company.

June, 1931

In June 1931, a new wave of bank runs hit the United States after six months of relative calm. In Chicago, depositors withdrew funds from banks that suffered heavy losses on their asset side. The panic quickly spread across the country, causing a run and the collapse of the American Union Bank on the 30th of June 1931.

Sources: Richardson (2013)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the heavy losses of banks in Chicago.

November, 1932

Following the election of Franklin D. Roosevelt as president in November 1932 led to rumors of a possible devaluation of the dollar and heightened concerns about the stability of the currency. Widespread bank runs ensued, first locally in the Fall of 1932 (Kindleberger and Aliber, 2005, p. 212), with a banking holiday declared in Nevada on 31 October, and then nationwide. In November and December 1932, depositors started to convert deposits into gold on a larger scale. The situation worsened in February 1933 with massive deposit withdrawals among panic and the failure of thousands of banks, leading President Roosevelt to declare a nationwide bank holiday in March. We date this event to

start in November 1932 and not in February 1933, given the importance of the presidential election in triggering many runs. While this event quickly followed the 1930 series of bank runs, it was a separate event, divided by a period of relative calm characterized by bank failures but no outright panics.

Sources: Jaremski et al. (2023), Federal Deposit Insurance Corporation (2018), Silber (2009), Reinhart and Rogoff (2009a), Kindleberger and Aliber (2005)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes. The panic was triggered by rumors about what might be happening with the dollar exchange rate during President Roosevelt's presidency.

May, 1974

In May 1974, Franklin National Bank experienced rapid deposit withdrawals, characterized as a "run" by McKinley (2014), following the reveal of massive losses on its foreign exchange trading book. The bank was declared insolvent in October, having lost half of its deposits.

Sources: McKinley (2014), Time Magazine (2014), The New York Times (1974)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the heavy bank-level losses.

July, 1982

In July 1982, Penn Square Bank experienced a "full-scale run" according to reporting on NPR, after it was revealed that it took major losses on large risky loans, particularly to the oil industry. Amid the drop in oil prices and rumors of the bank's problems, a panic ensued, leading to a run on the bank's deposits on 2 July. Three days later, the bank was declared insolvent.

Sources: State Impact Oklahoma (2012), The New York Times (1982b)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the heavy bank-level losses.

November, 1983

In November 1983, there were bank runs in Nebraska after the forced closure of the Commonwealth Savings Company and the failure of the state-level deposit insurer NDIGC.

Sources: Metrick and Schmelzing (2021), Chen et al. (2020), The New York Times (1985a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the failure of the Commonwealth Savings Company.

May, 1984

Starting on 8 May 1984, there was a sudden run on Continental Illinois National Bank. Despite being the seventh largest commercial bank in the US in 1984, Continental's reputation had been tarnished by its acquisition of loans from Penn Square Bank, which had failed in 1982. By 1984, the bank was experiencing declining revenues and profitability. In May, rumors circulated about the bank's possible failure or forced merger, and despite Continental's denials, a sudden and rapid run on the bank occurred.

Sources: Baron et al. (2021), Carlson and Rose (2016), United States General Accounting Office (1997)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the bank-level solvency issues.

May, 1985

Beginning on 5 March 1985, the United States experienced "the most widespread run on depository institutions since the Great Depression" (United States General Accounting Office, 1997, page 47), triggered by the largest of Ohio's privately insured savings and loan institutions, Home State Savings Bank. Highlighting the limits of private (instead of federally-guaranteed) deposit insurance, there were widespread concerns the runs would spread to other states, especially other privately-insured banking systems. There were also widespread deposit withdrawals in Maryland, which also had privately insured savings and loans institutions. By declaring a state-wide bank holiday and putting temporary limits on deposit withdrawals, the panic was calmed, and most Ohio thrifts had reopened in June 1985 with federal deposit insurance.

Sources: Robinson (2013), United States General Accounting Office (1997)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes. Instead, the panic seems to be triggered by the sudden realization that the deposit insurance coverage was limited.

November, 1990

In November 1990, the Heritage Loan & Investment Bank experienced a bank run. Depositors withdrew $13 million in November 1990 and the remaining $8.5 million of deposits in December 1990. Depositors started running on Heritage after it became public that the bank issued fraudulent loans of $13 million.

Sources: The New York Times (1991b), The New York Times (1991a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the bank-level fraud.

January, 1991

In January 1991, the Bank of New England experienced massive deposit withdrawals within a short time period, following the revelation of $1.1 billion in losses for the year 1989. After a projected further loss of $450 million in the fourth quarter of 1990, the bank experienced mass withdrawals of $1 billion from depositors on 4 January 1991.

Sources: Banker & Tradesman (2022), McKinley (2014), Basel Committee on Banking Supervision (2004), The Canberra Times (1991)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the bank-level solvency issues.

April, 1992

In April 1992, Metro North State Bank in Kansas City, Missouri, experienced a bank run when depositors lined up outside the bank out of fear it was about to fail. The bank's chairman blamed the situation on an "unsubstantiated rumor" that regulators were about to close the bank, according to The New York Times (1992b). The run was, however, calmed

the next day.

Sources: The New York Times (1992b), The New York Times (1992a)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

August, 2007

In August 2007, Countrywide Financial Corp, the third largest savings and loans bank in the US at the time, experienced a bank run. The fear driving the run was primarily Countrywide's exposure to risky subprime mortgages. When the housing bubble burst and subprime loans started defaulting, it led to significant financial strain. Panic among depositors spread, who rushed to withdraw their money.

Sources: Baron et al. (2021), Laeven and Valencia (2018), Reinhart and Rogoff (2009b), Los Angeles Times (2007)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the burst of the housing bubble, followed by an increase in non-performing mortgage loans.

March, 2008

In 2008, the subprime mortgage crisis reemerged, causing a series of bank runs on major institutions in the United States. One of the first was a run on the mortgage lender IndyMac Bank in late June after the publication of letters by Senator Charles E. Schumer to banking regulators that the bank was likely no longer viable, triggering a drop in 7.5% of deposits over the next days. In September, Washington Mutual (WaMu) depositors panicked when they heard the news of Lehman Brothers' bankruptcy on 15 September 2008, withdrawing $16.7 billion from their savings and checking accounts over the next 10 days (more than 11% of WaMu's total deposits). Wachovia, the fourth largest bank in the United States at the time, lost $5 billion of deposits in a single day on 26 September 2008 when large depositors withdrew funds.

Sources: Amadeo (2021), CBS News (2008), Reuters (2008b), Reuters (2008a)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the ongoing mortgage crisis and the increase in non-performing loans.

March, 2023

In March 2023, Silicon Valley Bank (SVB) experienced a major run and subsequently failed. SVB was known for providing lending and deposit services to venture capitalists and start-ups. It had invested heavily in US government bonds, which lost value when the Federal Reserve raised interest rates. The rate hike caused the bank's customers to withdraw their deposits, adding to SVB's financial stress. An attempt to raise funds through a share sale backfired when Founders Fund, a venture capital firm, advised its portfolio companies to withdraw their money from SVB. This led to a rapid outflow of $40 billion, a fifth of SVB's deposits, in a matter of hours. As this incident was accelerated by tweets from high-profile entrepreneurs, it has been dubbed "the first Twitter-fuelled bank run."

Sources: The Guardian (2023), Gompers (2023)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by bank-level asset-side losses of the Silicon Valley Bank.

C.90 Uruguay

June, 1866

In June 1866, Uruguay experienced widespread bank runs following the collapse of Overend & Gurney. Maua Bank was on the verge of collapse and supported by the government by allowing the bank the suspension of convertibility for six months.

Sources: Metrick and Schmelzing (2021), Steinberg (2018)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the 1866 Banking Panic in Great Britain that followed the collapse of Overend & Gurney in May 1866.

July, 1890

The Baring Crisis of 1890 led to severe financial repercussions in Uruguay, including a bank run. The National Bank of Uruguay, which had the power to print and issue paper money backed by English pounds, faced difficulties when its notes were refused by other banks, leading to a suspension of specie payments and subsequent panic and bank runs. This event was part of a larger financial crisis that affected not only Uruguay but also other countries in Latin America. The crisis was a result of questionable fiscal and monetary policies, draining the banking system of specie, and provoking multiple banks to experience runs beginning in July 1890.

Sources: Currency History (2016), Mitchener and Weidenmier (2008)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by the 1890 Baring Crisis in Great Britain.

September, 1898

In September 1898, Uruguay experienced bank runs to redeem banknotes due to a government decree to reduce the circulation of notes. These events were part of a broader pattern of financial instability in Latin America during the late 19th century, with Uruguay's financial struggles contributing to the global financial crisis of the 1890s.

Sources: Metrick and Schmelzing (2021), Reinhart and Rogoff (2009a)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by a government decree to redeem banknotes to reduce currency circulation.

April, 1964

In April 1964, Uruguay experienced bank runs following problems at Banco Regional. After Banco Regional was taken over by BROU, the bank run spread to other banks, including the Transatlantic Bank of Uruguay and other private banks in December 1964.

Sources: Metrick and Schmelzing (2021), Oddone and Marandino (2019), Vaz (1988)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by a bank-level solvency issues.

September, 1982

In September 1982, Uruguay was hit by a wave of bank runs triggered by the nationalization of banks in Mexico. After a brief halt of the runs they flared up again in November, driven by fears of a systemic banking collapse, the abrupt end of the fixed exchange rate policy by the Central Bank of Uruguay due to a scarcity of dollars, and soaring dollar exchange rates. The situation was worsened by political unrest marked by the ruling party's losses in elections and the Finance Minister stepping down. Discrepancies between what was publicly known and private realities eroded trust, hastening the flight from the Uruguayan peso.

Sources: Metrick and Schmelzing (2021), Laeven and Valencia (2018), Reinhart and Rogoff (2009a), Vaz (1988)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the nationalization of banks in Mexico, the end of the fixed exchange rate policy, and a depreciation of the local currency.

January, 2002

In 2002, Uruguay experienced sustained bank runs. In an environment of highly dollarised deposits, many of which were held by non-residents (especially from Argentina), the imposition of capital controls and deposit freezes in December 2001 caused liquidity issues at the two largest private banks, Banco Galicia Uruguay (BGU) and Banco Comercial (BC), which were particularly exposed to Argentina. This triggered a first round of runs, with BGU hit particularly hard. By May, bank runs had also expanded to public banks.

Sources: Metrick and Schmelzing (2021), Oddone and Marandino (2019), Laeven and Valencia (2018), Reinhart and Rogoff (2009a), Kaminsky (2006)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the introduction of capital controls and deposit freezes.

C.91 Venezuela

November, 1993

In November 1993, the Venezuelan Central Bank warned of insolvency in multiple banks, leading to a climate of uncertainty. The president of Venezuela's second largest bank, Banco Latino, resigned on December 22, 1993, and fear of the bank's closure in January 1994 triggered a bank run, causing a wider banking crisis with runs on other troubled banks.

Sources: Lapatilla (2023), Baron et al. (2021), Laeven and Valencia (2018), Anido et al. (2014), Reinhart and Rogoff (2009a), BBC (2008), Trigo et al. (2007)

Fundamental Run Classification: We classify the run episode as a **banking-fundamental** bank run, triggered by a warning about the insolvency of multiple banks.

February, 2009

Venezuela experienced a banking crisis in 2009-10 that was also accompanied by runs. The crisis was initially triggered by a government crackdown on powerful financiers, including Arné Chacón and Ricardo Fernández Barrueco, amid concerns about their rapid wealth accumulation through close government ties. Several banks were seized among failing, contributing to fears of bank runs as depositors lined up to withdraw money. The first run was likely on Stanford Bank Venezuela in February 2009, which experienced an "online run" triggered by revelation of a massive fraud case by its Texan owner Allen Stanford and was seized by the government. The banking sector's problems continued, leading to a bank run on Banco Federal in June 2010, the country's 11th largest banks.

Sources: Sydney Morning Herald (2010), Los Angeles Daily News (2009), The New York Times (2009), Reuters (2009b)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by a government crackdown.

C.92 Vietnam

August, 2012

In 2012, the Vietnamese Asia Commercial Bank (ACB), one of the country's largest, experienced a run after the arrest of one of its founders, Nguyen Duc Kien. Depositors withdrew hundreds of millions of dollars within a short time span. The central bank, however, quickly intervened to provide liquidity, apparently stemming pressure on other institutions.

Sources: BBC (2012), Reuters (2012)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

October, 2022

Saigon Commercial Bank (SCB) faced a major bank run after its founder Nguyen Duc Kien had been arrested on charges of "economic crimes" in a corruption probe. While a wider panic was contained, the incident was significant enough to be reported in the international news media and prompted a statement by Standard & Poor's regarding Vietnam's credit rating.

Sources: The Banker (2023), Bloomberg (2022c), Bloomberg (2022d), Bloomberg (2022b), Bloomberg (2022a), Retail Banker International (2022)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

C.93 Zimbabwe

May, 2003

During 2003, Zimbabwe faced repeated episodes of widespread bank runs, likely starting in May. Characterized by long queues of people waiting outside banks, among others in central Harare, there was widespread panic and banks limited cash withdrawals. The central bank, unable to print sufficient new cash to satisfy banks' demands for new notes, added to this panic.

Sources: Dzomira (2014), The Independent (2013), Kupakuwana (2012), Nurturing Champions (2011), Kairiza (2009), The Mail & Guardian (2003a), The Mail & Guardian (2003b)

Fundamental Run Classification: We classify the run episode as a **non-fundamental** bank run due to the absence of any evidence of macroeconomic or banking-related causes.

May, 2016

In May 2016, Zimbabwe experienced bank runs due to a prolonged U.S. dollar shortage, with people fearing the replacement of dollars with new local currency. The panic caused daily cash withdrawal limits to drop rapidly, from 1,000 U.S. dollars to as low as 50 U.S. dollars in some cases. Many Zimbabweans, who vividly remembered the hyperinflation crisis of 2008, were wary of using the new "bond notes" introduced by the authorities.

Sources: Time Magazine (2016), CNN (2016), The Atlantic (2016), BBC (2016b), The Mail & Guardian (2016)

Fundamental Run Classification: We classify the run episode as a **macro-fundamental** bank run, triggered by the shortage of US dollars and the fear of the replacement of dollars with local currency.

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D The JMKS Database of Aggregate Bank Deposits

Table D.1: Sources and Coverage for the Dataset on Outstanding Aggregate Bank Deposits

Country	Total deposits		Demand deposits		Time deposits	
	Sources	Period covered	Sources	Period covered	Sources	Period covered
Afghanistan	IMF (IFS)	2006-2020	IMF (IFS)	2006-2020	IMF (IFS)	2006-2020
	IMF (IFS)	1958-1990	IMF (IFS)	1958-1990	IMF (IFS)	1958-1990
Albania	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1994-2000	IMF (IFS)	1994-2000	IMF (IFS)	1994-2000
	Pisha et al. (2014)	1926-1937	Pisha et al. (2014)	1926-1937	Pisha et al. (2014)	1926-1937
Algeria	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1964-2000	IMF (IFS)	1964-2000	IMF (IFS)	1964-2000
	Mitchell IHS	1943-1963	Mitchell IHS	1943-1963		
	Mitchell IHS	1938	Mitchell IHS	1938		
Angola	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1995-2000	IMF (IFS)	1995-2000	IMF (IFS)	1995-2000
	Mitchell IHS	1973	Mitchell IHS	1973	Mitchell IHS	1973
	Nunes et al. (2010)	1932-1972	Nunes et al. (2010)	1932-1972	Nunes et al. (2010)	1932-1972
Anguilla	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1990-2000	IMF (IFS)	1990-2000	IMF (IFS)	1990-2000
Antigua and Barbuda	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1975-2000	IMF (IFS)	1975-2000	IMF (IFS)	1975-2000
Argentina	IMF (IFS)	2010-2022	IMF (IFS)	2010-2022	IMF (IFS)	2010-2022
	IMF (IFS)	1960-2009	IMF (IFS)	1960-2009	IMF (IFS)	1960-2009
	Mitchell IHS	1926-1959	Mitchell IHS	1926-1959		
	Mitchell IHS	1903-1925	Mitchell IHS	1903-1925		
Armenia	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1992-2000	IMF (IFS)	1992-2000	IMF (IFS)	1992-2000
Aruba	IMF (IFS)	1986-2020	IMF (IFS)	1986-2020	IMF (IFS)	1986-2020
Australia	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
	Mitchell IHS	1949	Mitchell IHS	1949		
	Mitchell IHS	1901-1948	Mitchell IHS	1901-1948		
	JST Macrohistory Database	1900	JST Macrohistory Database	1900		
	Mitchell IHS	1841-1899	Mitchell IHS	1841-1899		
Austria	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	Mitchell IHS	1999-2000	Mitchell IHS	1999-2000	Mitchell IHS	1999-2000
	IMF (IFS)	1997-1998	IMF (IFS)	1997-1998	IMF (IFS)	1997-1998
	IMF (IFS)	1953-1996	IMF (IFS)	1953-1996	IMF (IFS)	1953-1996
	Mitchell IHS	1949-1952	Mitchell IHS	1949-1952		
	Mitchell IHS	1923-1937	Mitchell IHS	1923-1937		
	Mitchell IHS	1920-1922	Mitchell IHS	1920-1922		
	Mitchell IHS	1918-1919	Mitchell IHS	1918-1919		
	Mitchell IHS	1913	Mitchell IHS	1913		
Azerbaijan	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1992-2000	IMF (IFS)	1992-2000	IMF (IFS)	1992-2000

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Country	Total deposits		Demand deposits		Time deposits	
	Sources	Period covered	Sources	Period covered	Sources	Period covered
Bahamas	IMF (IFS)	2010-2022	IMF (IFS)	2010-2022	IMF (IFS)	2010-2022
	IMF (IFS)	1969-2009	IMF (IFS)	1969-2009	IMF (IFS)	1969-2009
Bahrain	IMF (IFS)	1965-2015	IMF (IFS)	1965-2015	IMF (IFS)	1965-2015
Bangladesh	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1974-2000	IMF (IFS)	1974-2000	IMF (IFS)	1974-2000
	Mitchell IHS	1960-1971	Mitchell IHS	1960-1971		
Barbados	IMF (IFS)	2012-2022	IMF (IFS)	2012-2022	IMF (IFS)	2012-2022
	IMF (IFS)	2008-2009	IMF (IFS)	2008-2009	IMF (IFS)	2008-2009
	IMF (IFS)	1966-2007	IMF (IFS)	1966-2007	IMF (IFS)	1966-2007
Belarus	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	IMF (IFS)	1994-2000	IMF (IFS)	1994-2000	IMF (IFS)	1994-2000
Belgium	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	Mitchell IHS	1999-2000	Mitchell IHS	1999-2000	Mitchell IHS	1999-2000
	JST Macrohistory Database	1997-1998	JST Macrohistory Database	1997-1998	JST Macrohistory Database	1997-1998
	IMF (IFS)	1992-1996	IMF (IFS)	1992-1996	IMF (IFS)	1992-1996
	JST Macrohistory Database	1991	IMF (IFS)	1991	IMF (IFS); JST Macrohistory Database	1991
	IMF (IFS)	1969-1990	IMF (IFS)	1969-1990	IMF (IFS)	1969-1990
	Mitchell IHS	1968	Mitchell IHS	1968	Mitchell IHS	1968
	IMF (IFS)	1950-1967	IMF (IFS)	1950-1967	IMF (IFS)	1950-1967
	Mitchell IHS	1947-1949	Mitchell IHS	1947-1949		
	Mitchell IHS	1942-1946	Mitchell IHS	1942-1946		
	Mardinin and Schuer (2014)	1922-1941	Mardinin and Schuer (2014)	1922-1941		
	Mitchell IHS	1920-1921	Mitchell IHS	1920-1921		
	Mardinin and Schuer (2014)	1912-1919	Mardinin and Schuer (2014)	1912-1919		
	Mitchell IHS	1875-1911	Mitchell IHS	1875-1911		
	Mardinin and Schuer (2014)	1835-1851	Mardinin and Schuer (2014)	1835-1851	Mardinin and Schuer (2014)	1835-1851
Belize	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1976-2000	IMF (IFS)	1976-2000	IMF (IFS)	1976-2000
Benin	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000
	Mitchell IHS	1955-1959	Mitchell IHS	1955-1959		
Bhutan	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	IMF (IFS)	1983-2000	IMF (IFS)	1983-2000	IMF (IFS)	1983-2000
Bolivia	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1949-2000
	Mitchell IHS	1945-1949	Mitchell IHS	1945-1949		
	Mitchell IHS	1936-1944	Mitchell IHS	1936-1944		
	Mitchell IHS	1913-1935	Mitchell IHS	1913-1935		
Bosnia and Herzegovina	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1997-2000	IMF (IFS)	1997-2000		
Botswana	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1972-2000	IMF (IFS)	1972-2000	IMF (IFS)	1972-2000
Brazil	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
	Mitchell IHS	1947-1949	Mitchell IHS	1947-1949	Mitchell IHS	1947-1949
	IPEA (2010)	1901-1946	IPEA (2010)	1901-1946	IPEA (2010)	1901-1946
	IPEA (2010)	1852-1900				
Brunei Darussalam	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022

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Country	Total deposits		Demand deposits		Time deposits	
	Sources	Period covered	Sources	Period covered	Sources	Period covered
	IMF (IFS)	1999-2000	IMF (IFS)	1999-2000	IMF (IFS)	1999-2000
Bulgaria	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	IMF (IFS)	1991-2000	IMF (IFS)	1991-2000	IMF (IFS)	1991-2000
	Mitchell IHS	1939-1944				
	Mitchell IHS	1937-1938				
	Mitchell IHS	1922-1936				
	Mitchell IHS	1920-1921				
	South-Eastern European Monetary and Economic Statistics	1914-1919				
	Mitchell IHS	1913				
Burkina Faso	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2000-2022
	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000	IMF (IFS)	1959-2000
	Mitchell IHS	1955-1959	Mitchell IHS	1955-1959		
Burundi	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1964-2000	IMF (IFS)	1964-2000	IMF (IFS)	1964-2000
Cabo Verde	IMF (IFS)	2017-2022	IMF (IFS)	2017-2022	IMF (IFS)	2017-2022
	Banco de Cabo Verde, IMF (IFS)	2001-2016	Banco de Cabo Verde	2001-2016	IMF (IFS)	2001-2016
	Banco de Cabo Verde, IMF (IFS)	1976-2000	Banco de Cabo Verde	1976-2000	IMF (IFS)	1976-2000
	Banco de Cabo Verde	1974-1975	Banco de Cabo Verde	1974-1975		
	Banco de Cabo Verde; Nunes et al. (2010)	1971-1973	Banco de Cabo Verde	1971-1973	Nunes et al. (2010)	1971-1973
	Nunes et al. (2010)	1969-1970	Banco de Cabo Verde	1969-1970	Nunes et al. (2010)	1969-1970
	Banco de Cabo Verde; Nunes et al. (2010)	1943-1968	Nunes et al. (2010)	1943-1968	Nunes et al. (2010)	1943-1968
	Nunes et al. (2010)	1940-1942	Nunes et al. (2010)	1940-1942	Nunes et al. (2010)	1940-1942
	Nunes et al. (2010)	1939	Nunes et al. (2010)	1939		
	Nunes et al. (2010)	1933-1938	Nunes et al. (2010)	1933-1938	Nunes et al. (2010)	1933-1938
	Nunes et al. (2010)	1931-1932	Nunes et al. (2010)	1931-1932		
Cambodia	IMF (IFS)	2008-2022	IMF (IFS)	2008-2022	IMF (IFS)	2008-2022
	IMF (IFS)	1993-2007	IMF (IFS)	1993-2007	IMF (IFS)	1993-2007
	Mitchell IHS	1955-1973	Mitchell IHS	1955-1973		
Cameroon	IMF (IFS)	2001-2019	IMF (IFS)	2001-2019	IMF (IFS)	2001-2019
	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000
	Mitchell IHS	1945-1959	Mitchell IHS	1945-1959		
Canada	JST Macrohistory Database	2009-2020				
	IMF (IFS)	2001-2008	IMF (IFS)	2001-2008	IMF (IFS)	2001-2008
	JST Macrohistory Database	2000	JST Macrohistory Database	2000	JST Macrohistory Database	2000
	IMF (IFS)	1977-1999	IMF (IFS)	1977-1999	IMF (IFS)	1977-1999
	Historical Statistics of Canada	1913-1976	Historical Statistics of Canada	1913-1976	Historical Statistics of Canada	1913-1976
	Mitchell IHS	1871-1912	Mitchell IHS	1871-1912		
	Mitchell IHS	1870	Mitchell IHS	1870		
	JST Macrohistory Database	1867-1869	Mitchell IHS	1867-1869		
	Mitchell IHS	1856-1866	Mitchell IHS	1856-1866		
Central African Repulic	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	IMF (IFS)	1963-2000	IMF (IFS)	1963-2000	IMF (IFS)	1963-2000
	IMF (IFS)	1960-1962	IMF (IFS)	1960-1962		
	Mitchell IHS	1955-1959				
Chad	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000
	Mitchell IHS	1957-1959	Mitchell IHS	1957-1960		
	Mitchell IHS	1956	Mitchell IHS	1956		

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Country	Total deposits		Demand deposits		Time deposits	
	Sources	Period covered	Sources	Period covered	Sources	Period covered
	Mitchell IHS	1955	Mitchell IHS	1955		
Chile	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	IMF (IFS)	1961-2000	IMF (IFS)	1961-2000	IMF (IFS)	1961-2000
	Mitchell IHS	1960	Mitchell IHS	1960		
	Mitchell IHS	1959	Mitchell IHS	1959		
	Mitchell IHS	1950-1958	Mitchell IHS	1950-1958		
	Mitchell IHS	1940-1949	Mitchell IHS	1940-1949		
	Mitchell IHS	1939	Mitchell IHS	1939		
	Mitchell IHS	1936-1938	Mitchell IHS	1936-1938		
	Mitchell IHS	1911-1935	Mitchell IHS	1911-1935		
	Mitchell IHS	1902-1910	Mitchell IHS	1902-1910		
	Díaz et al. (2010)	1860-1901	Díaz et al. (2010)	1860-1901		
China	IMF (IFS)	2019-2022	IMF (IFS)	2019-2022		
	IMF (IFS)	1993-2018	IMF (IFS)	1993-2018		
	IMF (IFS)	1985-1992	IMF (IFS)	1985-1992		
	Mitchell IHS	1926-1948	Mitchell IHS	1926-1948		
Colombia	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1990-2000	IMF (IFS)	1990-2000	IMF (IFS)	1990-2000
	IMF (IFS)	1987-1988	IMF (IFS)	1987-1988	IMF (IFS)	1987-1988
	IMF (IFS)	1950-1985	IMF (IFS)	1950-1985	IMF (IFS)	1950-1985
	Mitchell IHS	1936-1949	Mitchell IHS	1936-1950		
	Mitchell IHS	1929-1935	Mitchell IHS	1929-1935		
	Mitchell IHS	1924-1928	Mitchell IHS	1924-1928		
Congo	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000
	Mitchell IHS	1955-1959	Mitchell IHS	1955-1959		
Congo, Democratic Republic of the	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	IMF (IFS)	2000	IMF (IFS)	2000	IMF (IFS)	2000
	IMF (IFS)	1963-1995	IMF (IFS)	1963-1995	IMF (IFS)	1963-1995
Costa Rica	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1997-2000	IMF (IFS)	1997-2000	IMF (IFS)	1997-2000
	IMF (IFS)	1996	IMF (IFS)	1996	IMF (IFS)	1996
	IMF (IFS)	1950-1995	IMF (IFS)	1950-1995	IMF (IFS)	1950-1995
	Mitchell IHS	1945-1949				
	Mitchell IHS	1933-1944				
Croatia	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1993-2000	IMF (IFS)	1993-2000	IMF (IFS)	1993-2000
Cyprus	IMF (IFS)	2005-2021	IMF (IFS)	2005-2021	IMF (IFS)	2005-2021
	IMF (IFS)	1988-2004	IMF (IFS)	1988-2004	IMF (IFS)	1988-2004
	IMF (IFS)	1987	IMF (IFS)	1987	IMF (IFS)	1987
	IMF (IFS)	1958-1986	IMF (IFS)	1958-1986	IMF (IFS)	1958-1986
	Mitchell IHS	1956-1957	Mitchell IHS	1956-1957	Mitchell IHS	1956-1957
Czechia	IMF (IFS)	2008-2021	IMF (IFS)	2008-2021	IMF (IFS)	2008-2021
	IMF (IFS)	1993-2007	IMF (IFS)	1993-2007	IMF (IFS)	1993-2007
	Mitchell IHS	1945-1949				
	Mitchell IHS	1920-1937				
Côte d'Ivoire	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000

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Country	Total deposits		Demand deposits		Time deposits	
	Sources	Period covered	Sources	Period covered	Sources	Period covered
Denmark	IMF (IFS)	2006-2021	IMF (IFS)	2006-2021	IMF (IFS)	2006-2021
	Abildgren (2006)	2001-2005	IMF (IFS)	2001-2005	IMF (IFS)	2001-2005
	IMF (IFS)	1987-2000	IMF (IFS)	1987-2000	IMF (IFS)	1987-2000
	Abildgren (2006)	1986	Mitchell IHS	1986	IMF (IFS); Mitchell IHS	1986
	IMF (IFS)	1950-1985	IMF (IFS)	1950-1985	IMF (IFS)	1950-1985
	Abildgren (2006)	1933-1949	Mitchell IHS	1933-1949		
	Abildgren (2006)	1921-1932	Mitchell IHS	1921-1932		
	Abildgren (2006)	1878-1920	Mitchell IHS	1878-1920		
	Abildgren (2006)	1876-1877	Abildgren (2006)	1876-1877		
	JST Macrohistory Database	1870-1874	Mitchell IHS	1870-1875		
	Mitchell IHS	1848-1869	Mitchell IHS	1848-1869		
Djibuti	IMF (IFS)	2002-2020	IMF (IFS)	2002-2020	IMF (IFS)	2002-2020
	IMF (IFS)	1984-2001	IMF (IFS)	1984-2001	IMF (IFS)	1984-2001
Dominica	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1975-2000	IMF (IFS)	1975-2000	IMF (IFS)	1975-2000
Dominican Republic	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
	Mitchell IHS	1936-1949	Mitchell IHS	1936-1949		
Ecuador	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
	Mitchell IHS	1948-1950	Mitchell IHS	1948-1949		
	Mitchell IHS	1936-1947	Mitchell IHS	1936-1947		
	Mitchell IHS	1928-1935	Mitchell IHS	1928-1935		
	Mitchell IHS	1912-1927	Mitchell IHS	1912-1927		
Egypt	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
	Mitchell IHS	1947-1949	Mitchell IHS	1947-1950		
	Mitchell IHS	1939-1946	Mitchell IHS	1939-1946		
El Salvador	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
	Mitchell IHS	1945-1950	Mitchell IHS	1945-1949		
	Mitchell IHS	1936-1944	Mitchell IHS	1936-1944		
	Mitchell IHS	1924-1935	Mitchell IHS	1924-1935		
	Mitchell IHS	1916-1919	Mitchell IHS	1916-1919		
Equatorial Guinea	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1985-2000	IMF (IFS)	1985-2000	IMF (IFS)	1985-2000
Eritrea	IMF (IFS)	2014-2022	IMF (IFS)	2014-2022	IMF (IFS)	2014-2022
	IMF (IFS)	1995-2001	IMF (IFS)	1995-2001	IMF (IFS)	1995-2001
Estonia	IMF (IFS)	2004-2021	IMF (IFS)	2004-2021	IMF (IFS)	2004-2021
	IMF (IFS)	1991-2003	IMF (IFS)	1991-2003	IMF (IFS)	1991-2003
Eswatini	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1970-2000	IMF (IFS)	1970-2000	IMF (IFS)	1970-2000
Ethiopia	IMF (IFS)	1963-2008	IMF (IFS)	1963-2008	IMF (IFS)	1960-2008
	Mitchell IHS; IMF (IFS)	1962	Mitchell IHS	1962		
	IMF (IFS)	1960-1961	IMF (IFS)	1960-1961		
	Mitchell IHS	1948-1959	Mitchell IHS	1948-1959		
Fiji	IMF (IFS)	2001-2021	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1961-2000	IMF (IFS)	1961-2000	IMF (IFS)	1961-2000

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Country	Total deposits		Demand deposits		Time deposits	
	Sources	Period covered	Sources	Period covered	Sources	Period covered
Finland	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	JST Macrohistory Database	1999-2000	JST Macrohistory Database	1999-2000	JST Macrohistory Database	1999-2000
	Mitchell IHS	1998	Mitchell IHS	1998	Mitchell IHS	1998
	IMF (IFS)	1991-1997	IMF (IFS)	1991-1997	IMF (IFS)	1991-1997
	JST Macrohistory Database	1990	Mitchell IHS	1990	JST Macrohistory Database; Mitchell IHS	1990
	IMF (IFS)	1950-1989	IMF (IFS)	1950-1989	IMF (IFS)	1950-1989
	JST Macrohistory Database	1939-1949	Mitchell IHS	1939-1949		
	JST Macrohistory Database	1938	JST Macrohistory Database	1938		
	JST Macrohistory Database	1918-1937	Mitchell IHS	1918-1937		
	JST Macrohistory Database	1873-1917	Mitchell IHS	1873-1917		
	Mitchell IHS	1862-1872	Mitchell IHS	1862-1872		
France	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	JST Macrohistory Database	1999-2000	Mitchell IHS	1999-2000	JST Macrohistory Database; Mitchell IHS	1999-2000
	JST Macrohistory Database	1997-1998	JST Macrohistory Database	1997-1998	JST Macrohistory Database	1997-2000
	IMF (IFS)	1978-1996	IMF (IFS)	1978-1996	IMF (IFS)	1978-1996
	JST Macrohistory Database	1977	Mitchell IHS	1977	JST Macrohistory Database; Mitchell IHS	1977
	IMF (IFS)	1950-1976	IMF (IFS)	1950-1976	IMF (IFS)	1950-1976
	Mitchell IHS	1944-1949	Mitchell IHS	1944-1949		
	Mitchell IHS	1938-1940	Mitchell IHS	1938-1940		
	Mitchell IHS	1919-1937	Mitchell IHS	1919-1937		
	Mitchell IHS	1900-1913	Mitchell IHS	1900-1913		
Gabon	IMF (IFS)	2001-2019	IMF (IFS)	2001-2019	IMF (IFS)	2001-2019
	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000
	Mitchell IHS	1955-1959	Mitchell IHS	1955-1959		
	Mitchell IHS	1954	Mitchell IHS	1954		
	Mitchell IHS	1950-1953	Mitchell IHS	1950-1953		
Gambia	IMF (IFS)	2017-2022	IMF (IFS)	2017-2022	IMF (IFS)	2017-2022
	IMF (IFS)	2001-2014	IMF (IFS)	2001-2014	IMF (IFS)	2001-2014
	IMF (IFS)	1964-2000	IMF (IFS)	1964-2000	IMF (IFS)	1964-2000
Georgia	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1995-2000	IMF (IFS)	1995-2000	IMF (IFS)	1995-2000
Germany	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	JST Macrohistory Database	1999-2000	Mitchell IHS	1999-2000	JST Macrohistory Database; Mitchell IHS	1999-2000
	JST Macrohistory Database	1998	JST Macrohistory Database	1998	JST Macrohistory Database	1998
	IMF (IFS)	1951-1997	IMF (IFS)	1951-1997	IMF (IFS)	1951-1997
	JST Macrohistory Database	1948-1950	Mitchell IHS	1948-1950	JST Macrohistory Database, Mitchell IHS	1948-1950
	JST Macrohistory Database	1938-1940				
	Mitchell IHS	1936-1937				
	Mitchell IHS	1923-1935				
	JST Macrohistory Database	1914-1920				
	Mitchell IHS	1913				
	Mitchell IHS	1878-1912				
	JST Macrohistory Database	1876-1877				
	Mitchell IHS	1869-1875				
	Mitchell IHS	1852-1862				
Ghana	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
	Mitchell IHS	1947-1949	Mitchell IHS	1947-1949		

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Country	Total deposits		Demand deposits		Time deposits	
	Sources	Period covered	Sources	Period covered	Sources	Period covered
Greece	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	IMF (IFS)	2000	IMF (IFS)	2000	IMF (IFS)	2000
	IMF (IFS)	1953-1999	IMF (IFS)	1953-1999	IMF (IFS)	1953-1999
	Mitchell IHS	1946-1951				
	Mitchell IHS	1939				
	Mitchell IHS	1928-1938				
	Mitchell IHS	1918-1927				
	Lazaretou (2014)	1842-1917				
Grenada	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1970-2000	IMF (IFS)	1970-2000	IMF (IFS)	1970-2000
Guatemala	IMF (IFS)	2003-2022	IMF (IFS)	2003-2022	IMF (IFS)	2003-2022
	IMF (IFS)	2002	Mitchell IHS	2002	Mitchell IHS	2002
	IMF (IFS)	2001	IMF (IFS)	2001	IMF (IFS)	2001
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
	Mitchell IHS	1936-1949				
Guinea	IMF (IFS)	2012-2021	IMF (IFS)	2012-2021	IMF (IFS)	2012-2021
	IMF (IFS)	1989-2011	IMF (IFS)	1989-2011	IMF (IFS)	1989-2011
Guinea-Bissau	IMF (IFS)	2003-2022	IMF (IFS)	2003-2022	IMF (IFS)	2003-2022
	IMF (IFS)	1990-2002	IMF (IFS)	1990-2002	IMF (IFS)	1990-2002
	Nunes et al. (2010)	1961-1973	Nunes et al. (2010)	1961-1973	Nunes et al. (2010)	1961-1973
	Nunes et al. (2010)	1959-1960	Nunes et al. (2010)	1959-1960	Nunes et al. (2010)	1959-1960
	Nunes et al. (2010)	1938-1958	Nunes et al. (2010)	1938-1958	Nunes et al. (2010)	1938-1958
	Nunes et al. (2010)	1934-1937			Nunes et al. (2010)	1934-1937
Guyana	IMF (IFS)	2000-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	IMF (IFS)	1955-2000	IMF (IFS)	1955-2000	IMF (IFS)	1955-2000
Haiti	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
Honduras	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2000-2022
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1949-2000
	Mitchell IHS	1948-1949	Mitchell IHS	1948-1949		
	Mitchell IHS	1945-1947	Mitchell IHS	1945-1947		
	Mitchell IHS	1937-1944	Mitchell IHS	1937-1944		
Hong Kong	Hong Kong Monetary Authority	1997-2022	Hong Kong Monetary Authority	1997-2022	Hong Kong Monetary Authority	1997-2022
	Hong Kong Monetary Authority	1969-1996	Hong Kong Monetary Authority	1969-1996	Hong Kong Monetary Authority	1969-1996
	HKIMR (2009)	1954-1968	HKIMR (2009)	1954-1968	HKIMR (2009)	1954-1968
	HKIMR (2009)	1900-1940				
	HKIMR (2009)	1883-1898				
	HKIMR (2009)	1875-1881				
	HKIMR (2009)	1867-1873				
Hungary	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	IMF (IFS)	1982-2000	IMF (IFS)	1982-2000	IMF (IFS)	1982-2000
	Mitchell IHS	1946-1949	Mitchell IHS	1946-1949		
	Mitchell IHS	1939-1944	Mitchell IHS	1939-1944		
	Mitchell IHS	1925-1938	Mitchell IHS	1925-1938		
	Mitchell IHS	1913	Mitchell IHS	1913		
Iceland	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1951-2000	IMF (IFS)	1951-2000	IMF (IFS)	1951-2000
	Icelandic Historical Statistics	1891-1950	Icelandic Historical Statistics	1891-1950	Icelandic Historical Statistics	1891-1950

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Country	Total deposits		Demand deposits		Time deposits	
	Sources	Period covered	Sources	Period covered	Sources	Period covered
	Icelandic Historical Statistics	1886-1890			Icelandic Historical Statistics	1886-1890
India	IMF (IFS)	1960-2021	IMF (IFS)	1960-2021	IMF (IFS)	1960-2021
	Mitchell IHS	1950-1959	Mitchell IHS	1950-1959		
	Mitchell IHS	1948-1949	Mitchell IHS	1948-1949		
	Mitchell IHS	1946-1947	Mitchell IHS	1946-1947		
	Mitchell IHS	1942-1945	Mitchell IHS	1942-1945		
	Mitchell IHS	1939-1941	Mitchell IHS	1939-1941		
	Mitchell IHS	1913-1938	Mitchell IHS	1913-1938		
	Mitchell IHS	1881-1912	Mitchell IHS	1881-1912		
	SARBI	1870-1880	Mitchell IHS	1870-1880		
	SARBI	1868-1869	Mitchell IHS	1868-1869		
	SARBI	1856-1867				
	SARBI	1854-1855				
	SARBI	1852-1853				
Indonesia	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1980-2000	IMF (IFS)	1980-2000	IMF (IFS)	1980-2000
	Mitchell IHS	1972-1979	Mitchell IHS	1972-1979		
	Mitchell IHS	1971	Mitchell IHS	1971		
	Mitchell IHS	1970	Mitchell IHS	1970		
	Mitchell IHS	1968-1969	Mitchell IHS	1968-1969		
	Mitchell IHS	1965-1967	Mitchell IHS	1965-1967		
	Mitchell IHS	1959-1964	Mitchell IHS	1959-1964		
	Mitchell IHS	1953-1958	Mitchell IHS	1953-1958		
	Mitchell IHS	1948-1952	Mitchell IHS	1948-1952		
Iran	IMF (IFS)	1986-2016	IMF (IFS)	1986-2016	IMF (IFS)	1986-2016
	IMF (IFS)	1979-1984	IMF (IFS)	1979-1984	IMF (IFS)	1979-1984
	IMF (IFS)	1961-1977	IMF (IFS)	1961-1977	IMF (IFS)	1961-1977
	IMF (IFS); Mitchell IHS	1959	Mitchell IHS	1959	IMF (IFS)	1959
	IMF (IFS)	1950-1958	IMF (IFS)	1950-1958	IMF (IFS)	1950-1958
	Mitchell IHS	1948-1949	Mitchell IHS	1948-1949		
	Mitchell IHS	1947	Mitchell IHS	1947		
	Mitchell IHS	1937-1945	Mitchell IHS	1937-1945		
Iraq	IMF (IFS)	2004-2021	IMF (IFS)	2004-2021	IMF (IFS)	2004-2021
	IMF (IFS)	1950-1976	IMF (IFS)	1950-1976	IMF (IFS)	1950-1976
	Mitchell IHS	1936-1949	Mitchell IHS	1936-1949		
Ireland	Central Bank of Ireland	2003-2021	Central Bank of Ireland	2003-2021	Central Bank of Ireland	2003-2021
	Central Bank of Ireland	1999-2002	Central Bank of Ireland	1999-2002	Central Bank of Ireland	1999-2002
	Central Bank of Ireland	1998	IMF (IFS); Mitchell IHS	1998	Central Bank of Ireland; IMF (IFS); Mitchell IHS	1998
	Central Bank of Ireland	1997	IMF (IFS)	1997	IMF (IFS)	1997
	Central Bank of Ireland	1996	Central Bank of Ireland	1996	Central Bank of Ireland	1996
	Central Bank of Ireland	1995	IMF (IFS)	1995	Central Bank of Ireland; IMF (IFS)	1995
	Central Bank of Ireland; IMF (IFS)	1994	Central Bank of Ireland; IMF (IFS)	1994	Central Bank of Ireland; IMF (IFS)	1994
	IMF (IFS)	1982-1993	IMF (IFS)	1982-1993	IMF (IFS)	1982-1993
	Mitchell IHS	1981	Mitchell IHS	1981	Mitchell IHS	1981
	IMF (IFS)	1971-1980	IMF (IFS)	1971-1980	IMF (IFS)	1971-1980
	IMF (IFS); Mitchell IHS	1970	Mitchell IHS	1970	IMF (IFS)	1970
	IMF (IFS)	1950-1969	IMF (IFS)	1950-1969	IMF (IFS)	1950-1969
	Mitchell IHS	1937-1949				

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Country	Total deposits		Demand deposits		Time deposits	
	Sources	Period covered	Sources	Period covered	Sources	Period covered
	Mitchell IHS	1923-1936				
	Mitchell IHS	1921-1922				
	O'Rourke (1998)	1840-1920				
Israel	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1954-2000	IMF (IFS)	1954-2000	IMF (IFS)	1954-2000
	Mitchell IHS	1950-1953	Mitchell IHS	1950-1953		
Italy	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	JST Macrohistory Database	1998-2000	JST Macrohistory Database	1998-2000	JST Macrohistory Database	1998-2000
	IMF (IFS)	1962-1997	IMF (IFS)	1962-1997	IMF (IFS)	1962-1997
	Mitchell IHS	1958-1961	IMF (IFS)	1958-1961		
	Mitchell IHS	1956-1957	IMF (IFS)	1956-1957		
	Mitchell IHS	1938-1955				
	JST Macrohistory Database	1870-1937				
Jamaica	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1953-2000	IMF (IFS)	1953-2000	IMF (IFS)	1953-2000
	Mitchell IHS	1944-1952	Mitchell IHS	1944-1952		
Japan	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	JST Macrohistory Database	2000	IMF (IFS)	2000	IMF (IFS); JST Macrohistory Database	2000
	IMF (IFS)	1970-1999	IMF (IFS)	1970-1999	IMF (IFS)	1970-1999
	LTES database	1873-1969	LTES database	1873-1969	LTES database	1873-1969
Jordan	IMF (IFS)	2014-2022	IMF (IFS)	2014-2022	IMF (IFS)	2014-2022
	IMF (IFS)	1951-2013	IMF (IFS)	1951-2013	IMF (IFS)	1951-2013
Kazakhstan	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1997-2000	IMF (IFS)	1997-2000	IMF (IFS)	1997-2000
	IMF (IFS)	1993-1996				
Kenya	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1961-2000	IMF (IFS)	1961-2000	IMF (IFS)	1961-2000
	Mitchell IHS	1944-1960	Mitchell IHS	1944-1960		
	Mitchell IHS	1938	Mitchell IHS	1938		
Korea, Republic of	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1953-2000	IMF (IFS)	1953-2000	IMF (IFS)	1953-2000
	Historical Statistics of Korea	1950-1952	Historical Statistics of Korea	1950-1952	Historical Statistics of Korea	1950-1952
	Historical Statistics of Korea	1906-1948				
	Historical Statistics of Korea	1902-1905				
	Historical Statistics of Korea	1901				
	Historical Statistics of Korea	1900				
Kuwait	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1991-2000	IMF (IFS)	1991-2000	IMF (IFS)	1991-2000
	Mitchell IHS	1990	Mitchell IHS	1990	IMF (IFS)	1960-1989
	IMF (IFS)	1962-1989	IMF (IFS)	1962-1989		
	IMF (IFS)	1960-1961				
Kyrgyzstan	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1995-2000	IMF (IFS)	1995-2000	IMF (IFS)	1995-2000
Laos	IMF (IFS)	1989-2010	IMF (IFS)	1989-2010	IMF (IFS)	1989-2010
	IMF (IFS)	1987-1988			IMF (IFS)	1987-1988
Latvia	IMF (IFS)	2010-2021	IMF (IFS)	2010-2021	IMF (IFS)	2010-2021
	IMF (IFS)	1993-2008	IMF (IFS)	1993-2008	IMF (IFS)	1993-2008
Lebanon	IMF (IFS)	1964-2017	IMF (IFS)	1964-2017	IMF (IFS)	1964-2017

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Country	Total deposits		Demand deposits		Time deposits	
	Sources	Period covered	Sources	Period covered	Sources	Period covered
	IMF (IFS); Mitchell IHS	1963				
	Mitchell IHS	1950-1962				
Lesotho	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1971-2000	IMF (IFS)	1971-2000	IMF (IFS)	1971-2000
Liberia	IMF (IFS)	2007-2020	IMF (IFS)	2007-2020	IMF (IFS)	2007-2020
	IMF (IFS)	1998-2006	IMF (IFS)	1998-2006	IMF (IFS)	1998-2006
	World Bank WDI	1997	IMF (IFS); World Bank WDI	1997	IMF (IFS)	1997
	IMF (IFS)	1991-1996	IMF (IFS)	1991-1996	IMF (IFS)	1991-1996
	World Bank WDI	1989-1990	IMF (IFS); World Bank WDI	1989-1990	IMF (IFS)	1989-1990
	IMF (IFS)	1961-1988	IMF (IFS)	1961-1988	IMF (IFS)	1961-1988
Libya	IMF (IFS)	2014-2022	IMF (IFS)	2014-2022	IMF (IFS)	2014-2022
	IMF (IFS)	1958-2013	IMF (IFS)	1958-2013	IMF (IFS)	1958-2013
Lithuania	IMF (IFS)	2010-2021	IMF (IFS)	2010-2021	IMF (IFS)	2010-2021
	IMF (IFS)	1993-2008	IMF (IFS)	1993-2008	IMF (IFS)	1993-2008
Luxembourg	Banque Centrale du Luxembourg	2003-2022	Banque Centrale du Luxembourg	2003-2022	Banque Centrale du Luxembourg	2003-2022
	IMF (IFS)	2001-2002	IMF (IFS)	2001-2002	IMF (IFS)	2001-2002
	IMF (IFS)	1997	IMF (IFS)	1997	IMF (IFS)	1997
	IMF (IFS)	1994-1996	IMF (IFS)	1994-1996	IMF (IFS)	1994-1996
	IMF (IFS)	1993	IMF (IFS)	1993	IMF (IFS)	1993
	IMF (IFS)	1964-1992	IMF (IFS)	1964-1992	IMF (IFS)	1964-1992
	IMF (IFS)	1963	IMF (IFS)	1963	IMF (IFS)	1963
	IMF (IFS)	1950-1962	IMF (IFS)	1950-1962	IMF (IFS)	1950-1962
Macao	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1984-2000	IMF (IFS)	1984-2000	IMF (IFS)	1984-2000
	Nunes et al. (2010)	1940-1973	Nunes et al. (2010)	1940-1973	Nunes et al. (2010)	1940-1973
Madagascar	IMF (IFS)	2006-2022	IMF (IFS)	2006-2022	IMF (IFS)	2006-2022
	IMF (IFS)	1962-2005	IMF (IFS)	1962-2005	IMF (IFS)	1962-2005
	Mitchell IHS	1939-1961	Mitchell IHS	1939-1961		
Malawi	IMF (IFS)	2015-2022	IMF (IFS)	2015-2022	IMF (IFS)	2015-2022
	IMF (IFS)	1965-2014	IMF (IFS)	1965-2014	IMF (IFS)	1965-2014
Malaysia	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
	Mitchell IHS	1947-1949	Mitchell IHS	1947-1949		
Maldives	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1976-2000	IMF (IFS)	1976-2000	IMF (IFS)	1976-2000
Mali	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000
Malta	IMF (IFS); Central Bank of Malta	2005-2021	Central Bank of Malta	2005-2021	IMF (IFS)	2005-2021
	IMF (IFS); Central Bank of Malta	2003-2004	Central Bank of Malta	2003-2004	IMF (IFS)	2003-2004
	Central Bank of Malta	1965-2002	Central Bank of Malta	1965-2002	Central Bank of Malta	1965-2002
	IMF (IFS)	1960-1964	IMF (IFS)	1960-1964	IMF (IFS)	1960-1964
Mauritania	IMF (IFS)	2012-2019	IMF (IFS)	2012-2019	IMF (IFS)	2012-2019
	IMF (IFS)	2005-2011	IMF (IFS)	2005-2011	IMF (IFS)	2005-2011
	Mitchell IHS	1992-2003	Mitchell IHS	1992-2003	Mitchell IHS	1992-2003
	Mitchell IHS	1991	Mitchell IHS	1991	Mitchell IHS	1991
	IMF (IFS)	1960-1990	IMF (IFS)	1960-1990	IMF (IFS)	1960-1990
Mauritius	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1952-2000	IMF (IFS)	1952-2000	IMF (IFS)	1952-2000

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Country	Total deposits		Demand deposits		Time deposits	
	Sources	Period covered	Sources	Period covered	Sources	Period covered
	Mitchell IHS	1940-1951	Mitchell IHS	1940-1951		
	Mitchell IHS	1913-1938	Mitchell IHS	1913-1938		
	Mitchell IHS	1901-1911	Mitchell IHS	1901-1911		
	Mitchell IHS	1887-1899	Mitchell IHS	1887-1899		
Mexico	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
	Mitchell IHS	1939-1949	Mitchell IHS	1939-1949		
	Mitchell IHS	1931-1938	Mitchell IHS	1931-1938		
	Mitchell IHS	1925-1930	Mitchell IHS	1925-1930		
	Mitchell IHS	1903-1910	Mitchell IHS	1903-1910		
Moldova	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1991-2000	IMF (IFS)	1991-2000	IMF (IFS)	1991-2000
Mongolia	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1991-2000	IMF (IFS)	1991-2000	IMF (IFS)	1991-2000
Montenegro	IMF (IFS)	2013-2022	IMF (IFS)	2013-2022	IMF (IFS)	2013-2022
	IMF (IFS)	2002-2012	IMF (IFS)	2002-2012	IMF (IFS)	2002-2012
Montserrat	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1983-2000	IMF (IFS)	1983-2000	IMF (IFS)	1983-2000
Morocco	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1958-2000	IMF (IFS)	1958-2000	IMF (IFS)	1958-2000
	Mitchell IHS	1957	Mitchell IHS	1957		
	Mitchell IHS	1938-1956	Mitchell IHS	1938-1956		
Mozambique	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1984-2000	IMF (IFS)	1984-2000	IMF (IFS)	1984-2000
	Mardinin and Schuer (2014)	1941-1973	Mardinin and Schuer (2014)	1941-1973	Mardinin and Schuer (2014)	1941-1973
	Mardinin and Schuer (2014)	1932-1940	Mardinin and Schuer (2014)	1932-1940		
	Mardinin and Schuer (2014)	1930-1931	Mardinin and Schuer (2014)	1930-1931	Mardinin and Schuer (2014)	1930-1931
	Mardinin and Schuer (2014)	1926-1929	Mardinin and Schuer (2014)	1926-1929		
Myanmar	IMF (IFS)	2001-2020	IMF (IFS)	2001-2020	IMF (IFS)	2001-2020
	IMF (IFS)	1970-2000	IMF (IFS)	1970-2000	IMF (IFS)	1970-2000
	IMF (IFS)	1962-1969	IMF (IFS)	1962-1969	IMF (IFS)	1962-1969
	IMF (IFS)	1950-1961	IMF (IFS)	1950-1961	IMF (IFS)	1950-1961
	Mitchell IHS	1946-1949	Mitchell IHS	1946-1949		
	Mitchell IHS	1938-1939	Mitchell IHS	1938-1939		
Namibia	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2009-2022
	IMF (IFS)	1990-2000	IMF (IFS)	1990-2000	IMF (IFS)	2008
Nepal	IMF (IFS)	2001-2007	IMF (IFS)	2001-2007	IMF (IFS)	2001-2007
	IMF (IFS)	1990-2000	IMF (IFS)	1990-2000	IMF (IFS)	1990-2000
Netherlands	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	JST Macrohistory Database	1997-2000	JST Macrohistory Database	1997-2000	JST Macrohistory Database	1997-2000
	IMF (IFS)	1960-1996	IMF (IFS)	1960-1996	IMF (IFS)	1960-1996
	JST Macrohistory Database	1959	IMF (IFS)	1959	IMF (IFS); JST Macrohistory Database	1959
	IMF (IFS)	1950-1958	IMF (IFS)	1950-1958	IMF (IFS)	1950-1958
	JST Macrohistory Database	1937-1949	Mitchell IHS	1937-1949		
	JST Macrohistory Database	1900-1936				
New Zealand	IMF (IFS)	2013-2022	IMF (IFS)	2013-2022	IMF (IFS)	2013-2022
	Reserve Bank of New Zealand Banks	2011-2012				
	Reserve Bank of New Zealand Banks	2010	IMF (IFS)	2010	IMF (IFS); Reserve Bank of New Zealand Banks	2010

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Country	Total deposits		Demand deposits		Time deposits	
	Sources	Period covered	Sources	Period covered	Sources	Period covered
	Reserve Bank of New Zealand Banks	1998-2009	IMF (IFS)	1998-2009	IMF (IFS)	1998-2009
	IMF (IFS)	1988-1997	IMF (IFS)	1988-1997	IMF (IFS)	1988-1997
	IMF (IFS)	1987	IMF (IFS)	1987	IMF (IFS)	1987
	IMF (IFS)	1986	IMF (IFS)	1986	IMF (IFS)	1986
	IMF (IFS)	1950-1985	IMF (IFS)	1950-1985	IMF (IFS)	1950-1985
	Mitchell IHS	1936-1949	Mitchell IHS	1936-1949		
	Mitchell IHS	1857-1935	Mitchell IHS	1857-1935		
Nicaragua	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
	Mitchell IHS	1940-1949	Mitchell IHS	1940-1949		
Niger	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS); Mitchell IHS	1999-2000	Mitchell IHS	1999-2000	IMF (IFS)	1999-2000
	IMF (IFS)	1960-1998	IMF (IFS)	1960-1998	IMF (IFS)	1960-1998
	Mitchell IHS	1955-1959	Mitchell IHS	1955-1959		
Nigeria	IMF (IFS)	1975-2022	IMF (IFS)	1975-2022	IMF (IFS)	1975-2022
	IMF (IFS); Mitchell IHS	1972-1974	Mitchell IHS	1972-1974	IMF (IFS)	1972-1974
	IMF (IFS)	1951-1971	IMF (IFS)	1951-1971	IMF (IFS)	1951-1971
	Mitchell IHS	1943-1950	Mitchell IHS	1943-1950		
North Macedonia	IMF (IFS)	2005-2022	IMF (IFS)	2005-2022	IMF (IFS)	2005-2022
	IMF (IFS)	2001-2004	IMF (IFS)	2001-2004	IMF (IFS)	2001-2004
	IMF (IFS)	1993-2000	IMF (IFS)	1993-2000	IMF (IFS)	1993-2000
Norway	Norges Bank	2014-2022	Norges Bank	2014-2022	Norges Bank	2014-2022
	IMF (IFS); Norges Bank	2006-2013	Norges Bank	2006-2013	IMF (IFS)	2006-2013
	Norges Bank	2001-2005	Norges Bank	2001-2005	Norges Bank	2001-2005
	Norges Bank	2000	IMF (IFS)	2000	IMF (IFS); Norges Bank	2000
	Norges Bank	1996-1999	Norges Bank	1996-1999	Norges Bank	1996-1999
	IMF (IFS)	1950-1995	IMF (IFS)	1950-1995	IMF (IFS)	1950-1995
	Eitrheim et al. (2004)	1875-1949	Mitchell IHS	1875-1949		
	Eitrheim et al. (2004)	1822-1874	Warren Weber Data	1822-1874		
	Warren Weber Data	1821	Warren Weber Data	1821		
Oman	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1972-2000	IMF (IFS)	1972-2000	IMF (IFS)	1972-2000
Pakistan	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
	Mitchell IHS	1948-1949	Mitchell IHS	1948-1949		
Panama	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
	Mitchell IHS	1939-1949	Mitchell IHS	1939-1949		
Papua New Guinea	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1973-2000	IMF (IFS)	1973-2000	IMF (IFS)	1973-2000
Paraguay	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1953-2001	IMF (IFS)	1953-2000	IMF (IFS)	1953-2000
	Mitchell IHS	1952	IMF (IFS)	1952		
	Mitchell IHS	1936-1951	Mitchell IHS	1936-1951		
	Mitchell IHS	1928-1935	Mitchell IHS	1928-1935		
Peru	IMF (IFS)	2006-2021	IMF (IFS)	2006-2021	IMF (IFS)	2006-2021
	IMF (IFS)	1950-2005	IMF (IFS)	1950-2005	IMF (IFS)	1950-2005
	Mitchell IHS	1948-1949	Mitchell IHS	1948-1949		

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Country	Total deposits		Demand deposits		Time deposits	
	Sources	Period covered	Sources	Period covered	Sources	Period covered
	Mitchell IHS	1914-1947	Mitchell IHS	1914-1947		
	Mitchell IHS	1897-1913	Mitchell IHS	1897-1913		
Philippines	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
	Mitchell IHS	1945-1949	Mitchell IHS	1945-1949		
	Mitchell IHS	1937-1941	Mitchell IHS	1937-1941		
	Mitchell IHS	1925-1929	Mitchell IHS	1925-1929		
Poland	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	IMF (IFS)	1979-2000	IMF (IFS)	1979-2000	IMF (IFS)	1979-2000
	IMF (IFS)	1950-1978	IMF (IFS)	1950-1978	IMF (IFS)	1950-1978
	Mitchell IHS	1937-1938	Mitchell IHS	1937-1938		
	Mitchell IHS	1924-1936	Mitchell IHS	1924-1936		
	Mitchell IHS	1919-1922	Mitchell IHS	1919-1922		
Portugal	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	JST Macrohistory Database	1998-2000	Mitchell IHS	1998-2000	JST Macrohistory Database; Mitchell IHS	1998-2000
	IMF (IFS)	1953-1997	IMF (IFS)	1953-1997	IMF (IFS)	1953-1997
	JST Macrohistory Database	1937-1952	Mitchell IHS	1937-1952		
	JST Macrohistory Database	1920-1936				
	Mitchell IHS	1917-1919				
	Almeida et al. (2025)	1878-1893				
	Almeida et al. (2025)	1875-1877	Almeida et al. (2025)	1875-1877	Almeida et al. (2025)	1875-1877
	Almeida et al. (2025)	1858-1874				
Qatar	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1966-2000	IMF (IFS)	1966-2000	IMF (IFS)	1966-2000
Romania	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1973-2000	IMF (IFS)	1973-2000	IMF (IFS)	1973-2000
	Mitchell IHS	1920-1944				
Russia	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	Bank of Russia	1999-2000	Bank of Russia	1999-2000	Bank of Russia	1999-2000
	Bank of Russia	1995-1998	Bank of Russia	1995-1998	Bank of Russia	1995-1998
	Mitchell IHS	1873-1915	Mitchell IHS	1873-1915		
Rwanda	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1964-2000	IMF (IFS)	1964-2000	IMF (IFS)	1964-2000
Saint Kitts and Nevis	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1979-2000	IMF (IFS)	1979-2000	IMF (IFS)	1979-2000
Saint Lucia	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1975-2000	IMF (IFS)	1975-2000	IMF (IFS)	1975-2000
Saint Vincent and the Grenadines	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1975-2000	IMF (IFS)	1975-2000	IMF (IFS)	1975-2000
Sao Tome and Principe	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	IMF (IFS)	1995-2000	IMF (IFS)	1995-2000	IMF (IFS)	1995-2000
	Nunes et al. (2010)	1957-1973	Nunes et al. (2010)	1957-1973	Nunes et al. (2010)	1957-1973
	Nunes et al. (2010)	1954-1956	Nunes et al. (2010)	1954-1956		
	Nunes et al. (2010)	1945-1953	Nunes et al. (2010)	1945-1953	Nunes et al. (2010)	1945-1953
	Nunes et al. (2010)	1944	Nunes et al. (2010)	1944		
	Nunes et al. (2010)	1938-1942	Nunes et al. (2010)	1938-1942		
Saudi Arabia	IMF (IFS)	1960-2017	IMF (IFS)	1960-2017		
Senegal	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022

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Country	Total deposits		Demand deposits		Time deposits	
	Sources	Period covered	Sources	Period covered	Sources	Period covered
	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000
	Mitchell IHS	1955-1959	Mitchell IHS	1955-1959		
Serbia	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1997-2000	IMF (IFS)	1997-2000	IMF (IFS)	1997-2000
Seychelles	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1971-2000	IMF (IFS)	1971-2000	IMF (IFS)	1971-2000
Sierra Leone	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1958-2000	IMF (IFS)	1958-2000	IMF (IFS)	1958-2000
Singapore	IMF (IFS)	1963-2020	IMF (IFS)	1963-2020	IMF (IFS)	1963-2020
	Mitchell IHS	1960-1962	Mitchell IHS	1960-1962		
Slovakia	IMF (IFS)	2006-2021	IMF (IFS)	2006-2021	IMF (IFS)	2006-2021
	IMF (IFS)	1993-2005	IMF (IFS)	1993-2005	IMF (IFS)	1993-2005
Slovenia	IMF (IFS)	2004-2021	IMF (IFS)	2004-2021	IMF (IFS)	2004-2021
	IMF (IFS)	1991-2003	IMF (IFS)	1991-2003	IMF (IFS)	1991-2003
Somalia	IMF (IFS)	1960-1989	IMF (IFS)	1960-1989	IMF (IFS)	1960-1989
South Africa	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1992-2000	IMF (IFS)	1992-2000	IMF (IFS)	1992-2000
	Mitchell IHS	1991	Mitchell IHS	1991	Mitchell IHS	1991
	IMF (IFS)	1965-1990	IMF (IFS)	1965-1990	IMF (IFS)	1965-1990
	Mitchell IHS	1950-1964	Mitchell IHS	1950-1964		
	Mitchell IHS	1891-1949	Mitchell IHS	1891-1949		
Spain	IMF (IFS)	2005-2021	IMF (IFS)	2005-2021	IMF (IFS)	2005-2021
	IMF (IFS)	2004	IMF (IFS)	2004	IMF (IFS)	2004
	IMF (IFS)	2001-2003	IMF (IFS)	2001-2003	IMF (IFS)	2001-2003
	Martín-Aceña and Pons (2005; 2010)	1998-2000	Martín-Aceña and Pons (2005; 2010)	1998-2000	Martín-Aceña and Pons (2005; 2010)	1998-2000
	IMF (IFS)	1952-1997	IMF (IFS)	1952-1997	IMF (IFS)	1952-1997
	Martín-Aceña and Pons (2005; 2010)	1942-1951	Martín-Aceña and Pons (2005; 2010)	1942-1951	Martín-Aceña and Pons (2005; 2010)	1942-1951
	Martín-Aceña and Pons (2005; 2010)	1939-1941				
	Mitchell IHS	1937	Mitchell IHS	1937		
	Mitchell IHS; Martín-Aceña and Pons (2005; 2010)	1935	Mitchell IHS	1935	Martín-Aceña and Pons (2005; 2010)	1935
	Martín-Aceña and Pons (2005; 2010)	1876-1934	Martín-Aceña and Pons (2005; 2010)	1876-1934	Martín-Aceña and Pons (2005; 2010)	1876-1934
	Martín-Aceña and Pons (2005; 2010)	1856-1875	Martín-Aceña and Pons (2005; 2010)	1856-1875		
	Martín-Aceña and Pons (2005; 2010)	1839-1855				
Sri Lanka	IMF (IFS)	2001-2019	IMF (IFS)	2001-2019	IMF (IFS)	2001-2019
	IMF (IFS)	2000	IMF (IFS)	2000	IMF (IFS)	2000
	IMF (IFS)	1950-1999	IMF (IFS)	1950-1999	IMF (IFS)	1950-1999
	Mitchell IHS	1949	Mitchell IHS	1949		
	Mitchell IHS	1938-1948	Mitchell IHS	1938-1948		
Sudan	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
Suriname	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1967-2000	IMF (IFS)	1967-2000	IMF (IFS)	1967-2000
Sweden	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021	IMF (IFS)	2001-2021
	Edvinsson and Ögren (2014)	1990-2000				
	Edvinsson and Ögren (2014)	1989	IMF (IFS)	1989	IMF (IFS); Edvinsson and Ögren (2014)	1989
	IMF (IFS)	1950-1988	IMF (IFS)	1950-1988	IMF (IFS)	1950-1988
	Edvinsson and Ögren (2014)	1875-1949	Mitchell IHS	1875-1949		
	Edvinsson and Ögren (2014)	1820-1874				

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Country	Total deposits		Demand deposits		Time deposits	
	Sources	Period covered	Sources	Period covered	Sources	Period covered
	Warren Weber Data	1800-1819				
Switzerland	IMF (IFS)	1992-2016	IMF (IFS)	1992-2016	IMF (IFS)	1992-2016
	Switzerland Historical Data O.14a	1954-1991	Switzerland Historical Data O.14a	1954-1991	Switzerland Historical Data O.14a	1954-1991
	Switzerland Historical Data O.04; O.14a	1953	Switzerland Historical Data O.04	1953	Switzerland Historical Data O.14a	1953
	Switzerland Historical Data O.14a	1950-1952	Switzerland Historical Data O.04	1950-1952	IMF (IFS)	1950-1952
	Switzerland Historical Data O.04	1907-1949	Switzerland Historical Data O.04	1907-1949	Switzerland Historical Data O.04	1907-1949
	Switzerland Historical Data O.14a	1906	Switzerland Historical Data O.14a	1906	Switzerland Historical Data O.14a	1906
	Switzerland Historical Data O.13	1851-1905	Switzerland Historical Data O.13	1851-1905		
Syria	IMF (IFS)	2001-2011	IMF (IFS)	2001-2011	IMF (IFS)	2001-2011
	IMF (IFS)	1951-2000	IMF (IFS)	1951-2000	IMF (IFS)	1951-2000
	Mitchell IHS	1939-1950	Mitchell IHS	1939-1950		
Taiwan	Mitchell IHS	1961-2005	Mitchell IHS	1961-2005		
	Mitchell IHS	1952-1960	Mitchell IHS	1952-1960		
	Mitchell IHS	1900-1941	Mitchell IHS	1900-1941		
Tajikistan	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1998-2000	IMF (IFS)	1998-2000	IMF (IFS)	1998-2000
Tanzania	IMF (IFS)	2001-2020	IMF (IFS)	2001-2020	IMF (IFS)	2001-2020
	IMF (IFS)	1961-2000	IMF (IFS)	1961-2000	IMF (IFS)	1961-2000
	Mitchell IHS	1947-1960	Mitchell IHS	1947-1960		
Thailand	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
	Mitchell IHS	1947-1949	Mitchell IHS	1947-1949		
	Mitchell IHS	1944-1946	Mitchell IHS	1944-1946		
	Mitchell IHS	1941-1942	Mitchell IHS	1941-1942		
Timor-Leste	IMF (IFS)	2002-2021	IMF (IFS)	2002-2021	IMF (IFS)	2002-2021
	Nunes et al. (2010)	1968-1973	Nunes et al. (2010)	1968-1973	Nunes et al. (2010)	1968-1973
	Nunes et al. (2010)	1967	Nunes et al. (2010)	1967		
	Nunes et al. (2010)	1965-1966	Nunes et al. (2010)	1965-1966	Nunes et al. (2010)	1965-1966
	Nunes et al. (2010)	1961	Nunes et al. (2010)	1961		
	Nunes et al. (2010)	1947-1960	Nunes et al. (2010)	1947-1960	Nunes et al. (2010)	1947-1960
Togo	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000
	Mitchell IHS	1954-1959	Mitchell IHS	1954-1959		
Trinidad and Tobago	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1951-2000	IMF (IFS)	1951-2000	IMF (IFS)	1951-2000
	Mitchell IHS	1946-1950	Mitchell IHS	1946-1950		
Tunisia	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1958-2000	IMF (IFS)	1958-2000	IMF (IFS)	1958-2000
	Mitchell IHS	1939-1957	Mitchell IHS	1939-1957		
Turkey	IMF (IFS)	2008-2022	IMF (IFS)	2008-2022	IMF (IFS)	2008-2022
	IMF (IFS)	2005-2007	IMF (IFS)	2005-2007	IMF (IFS)	2005-2007
	IMF (IFS); Mitchell IHS	2004	Mitchell IHS	2004	IMF (IFS)	2004
	IMF (IFS)	2001-2003	IMF (IFS)	2001-2003	IMF (IFS)	2001-2003
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
	Mitchell IHS	1947-1949	Mitchell IHS	1947-1949	Mitchell IHS	1947-1949
	Görmez and Yiğit (2015)	1933-1946	Görmez and Yiğit (2015)	1933-1946	Görmez and Yiğit (2015)	1933-1946
	Mitchell IHS	1924-1932	Mitchell IHS	1924-1932	Mitchell IHS	1924-1932
	Görmez and Yiğit (2015)	1923				

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Country	Total deposits		Demand deposits		Time deposits	
	Sources	Period covered	Sources	Period covered	Sources	Period covered
Uganda	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000	IMF (IFS)	1960-2000
	Mitchell IHS	1944-1958	Mitchell HIS	1944-1958		
	Mitchell IHS	1939	Mitchell IHS	1939		
Ukraine	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1992-2000	IMF (IFS)	1992-2000	IMF (IFS)	1992-2000
United Arab Emirates	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1973-2000	IMF (IFS)	1973-2000	IMF (IFS)	1973-2000
United Kingdom	Bank of England Bankstats	2010-2022	Bank of England Bankstats	2010-2022	Bank of England Bankstats	2010-2022
	Bank of England Bankstats; IMF (IFS)	2009	Bank of England Bankstats	2009	IMF (IFS)	2009
	Bank of England Bankstats	1997-2008	Bank of England Bankstats	1997-2008	Bank of England Bankstats	1997-2008
	JST Macrohistory Database	1952-1996	JST Macrohistory Database, IMF (IFS)	1952-1996	IMF (IFS)	1952-1996
	JST Macrohistory Database	1880-1951				
	Mardinin and Schuer (2014)	1835-1879				
United States of America	Federal Reserve	1973-2022	Federal Reserve	1973-2022	Federal Reserve	1973-2022
	Federal Reserve	1959-1972	Federal Reserve	1959-1972	Federal Reserve	1959-1972
	NBER Macrohistory Database; IMF (IFS)	1950-1958	NBER Macrohistory Database	1950-1958	IMF (IFS)	1950-1958
	NBER Macrohistory Database; Federal Reserve	1947-1949	NBER Macrohistory Database	1947-1949	Federal Reserve	1947-1949
	Mitchell IHS; Warren Weber Data	1945-1946	Mitchell IHS	1945-1946	Warren Weber Data	1945-1946
	NBER Macrohistory Database	1914-1944	NBER Macrohistory Database	1914-1944	NBER Macrohistory Database	1914-1944
	Mitchell IHS	1896-1913	Mitchell IHS	1896-1913		
	Mitchell IHS	1835-1895				
	Warren Weber Data	1809-1834				
Uruguay	Banco Central del Uruguay	1998-2022	Banco Central del Uruguay	1998-2022	Banco Central del Uruguay	1998-2022
	IMF Uruguay Staff Country Report	1993-1997	IMF Uruguay Staff Country Report	1993-1997	IMF Uruguay Staff Country Report	1993-1997
	IMF (IFS)	1963-1992	IMF (IFS)	1963-1992	IMF (IFS)	1963-1992
	IMF (IFS)	1950-1962	IMF (IFS)	1950-1962		
	Mitchell IHS	1913-1949	Mitchell IHS	1913-1949		
Venezuela	IMF (IFS)	2001-2015	IMF (IFS)	2001-2015	IMF (IFS)	2001-2015
	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000	IMF (IFS)	1950-2000
	Mitchell IHS	1913-1949	Mitchell IHS	1937-1949		
			Mitchell IHS	1913-1936		
Vietnam	IMF (IFS)	1995-2022	IMF (IFS)	1995-2022		
	IMF (IFS)	1992-1993	IMF (IFS)	1992-1993		
	Mitchell IHS	1970-1974	Mitchell IHS	1970-1974		
	Mitchell IHS	1955-1969	Mitchell IHS	1955-1969		
	Mitchell IHS	1950-1954	Mitchell IHS	1950-1954		
Yemen	IMF (IFS)	1990-2013	IMF (IFS)	1990-2013	IMF (IFS)	1990-2013
Zambia	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022	IMF (IFS)	2001-2022
	IMF (IFS)	1965-2000	IMF (IFS)	1965-2000	IMF (IFS)	1965-2000
	Mitchell IHS	1952-1953	Mitchell IHS	1952-1953		
	Mitchell IHS	1945-1948	Mitchell IHS	1945-1948		
	Mitchell IHS	1931-1938	Mitchell IHS	1931-1938		
Zimbabwe	IMF (IFS)	2009-2022	IMF (IFS)	2009-2022	IMF (IFS)	2009-2022
	IMF (IFS)	2008	IMF (IFS)	2008	IMF (IFS)	2008
	IMF (IFS)	1979-2007	IMF (IFS)	1979-2007	IMF (IFS)	1979-2007
	IMF (IFS)	1975-1978	IMF (IFS)	1975-1978		
	Mitchell IHS	1965-1974	IMF (IFS)	1965-1974		

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Country	Total deposits		Demand deposits		Time deposits	
	Sources	Period covered	Sources	Period covered	Sources	Period covered
	Mitchell IHS	1961-1964	Mitchell IHS	1961-1964		
	Mitchell IHS	1936-1959	Mitchell IHS	1936-1959		

Notes: This table reports the sources and coverage of the database on aggregate bank deposits. For each country, we list coverage separately for total, demand, and time deposits. A new row is added whenever one of the following changes occurs in any of the three deposit categories: (i) the data source changes, (ii) the currency of denomination changes within a given source, or (iii) the unit of measurement changes within a given source.