Monetary Financial Institutions Balance Sheet Database - Data Manual

BPLIM

Extraction Date: June 2022

Manual Date: 26 October 2022

Abstract: The Monetary Financial Institutions (MFIs) Balance Sheet Database reports detailed information on the assets and liabilities of the monetary financial institutions (MFIs) operating in Portugal. The dataset is updated annually.

Keywords: balance sheet, asset, liabilities, instrument, counterparty, revisions.

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General Information

Data Type: longitudinal data

Unit of Analysis: instrument-counterparty

Frequency: monthly

Start Date: September, 1997

Most Recent Date: December, 2021

Reference date: month-end

`Data Organization`: data is organized for assets and liabilities separately. All data files are available in Stata format, version 15.

`Version of the Data`: the data made available by BPLIM corresponds to a data freeze at a certain time of the year. Therefore, all files contain information as reported at the extraction date. The most recent update of the data occurred in June 2022.

`Languages Available`: variables labels are available in Portuguese and in English. [1]

`Data Access`: this data set is available to external researchers under certain conditions.[2]

`Digital Object Identifier`: 10.17900/BBS.Jun2022.V1.

Geographical Coverage

The MFIs Balance Sheet Database includes the assets and liabilities of all monetary financial institutions (MFIs) operating in mainland Portugal and autonomous regions - Azores and Madeira.

Population

The MFIs Balance Sheet Database collects the balance sheet data for all monetary financial institutions (MFIs) that were in operation in Portugal between September 1997 and December 2021.

Comment : Non-monetary financial agents are not covered in the database. In case an institution stops to be classified as MFI, data reporting will be discontinued. Some MFIs in Portugal have experienced acquisitions and/or mergers, which induced asset/liability flows from one institution to another.

Methodology

The MFIs Balance Sheet Database has undergone a major revision in December, 2014 which lead to the reclassification of financial institutions and counterparties.[3]. Due to this revision, there are some breaks in the series. The revision also adds an extra variable that indicates institution type.

To make variables compatible over time, we have harmonized the data based on the correspondence table illustrated in the *Description of Variables* section.

To preserve confidentiality, MFIs are anonymized through unique identifiers and the instrument values are perturbed for external researchers.[4]

Description of Files

The MFIs Balance Sheet Database is organized separately for assets and liabilities in the bank balance sheet (BBS) files. Each row corresponds to an instrument-counterparty pair in a given month.

The data files are organized with the following nomenclature:

BBS_METH_BNK_xxxx_yyyy_V01.dta

where *xxxx* denotes the data range (eg: SEP1997DEC2021), *yyyy* denotes the type of balance (ASSET for asset instruments; LIAB for liability instrument), and *METH* denotes the method used to prepare the data (*"A"* for Anonymized and *"P"* for Perturbed).

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[1]To see the labels in Portuguese type the following command line in Stata: "label language pt".

[2]Conditions for data access for external researchers are detailed in the *Guide for Researchers Using Banco de Portugal Microdata Research Laboratory (BPLIM) Data.*

[3]Please refer to the variable spreadsheet for details.

[4]See the *Guide for Researchers Using Banco de Portugal Microdata Research Laboratory (BPLIM) Data.*

Identification of MFIs will be anonymized in the data. Additionally, for external researchers the data values are perturbed.

We also provide a harmonized data set to facilitate the comparison between the two reporting systems, i.e. before and after December, 2014.

Description of Variables

`Bank identifier`

Anonymized identification number for MFI that enables tracking the MFI over time. BPLIM provides an anonymized version of the MFIs identifier which is denoted by *bina*.

Abbreviation	Definition
bina	Anonymized bank identificaton number

Availability: Sep. 1997 - Dec. 2021

`Reference date`

The reference month of the data

Abbreviation	Definition
date	Reference month of the data

Availability: Sep. 1997 - Dec. 2021

`Instrument code`

Classification of the financial instrument

The classification of financial instruments was revised in December, 2014. As a result, a new categorization was applied thereafter. Below is the correspondence table for the instrument codes between the two reporting systems (aligned based on the previous reporting system).

Abbreviation	Definition
instrument_asset	Financial instruments: asset side
instrument_liab	Financial instruments: liability side

Availability: Sep. 1997 - Dec. 2021

Table 2 - Correspondence Table for Financial Instruments

Panel A: Asset side (*instrument_asset*)

Before December 2014		December 2014 onwards	
Code	**Designation**	**Code**	**Designation**
10	Banknotes and coins	10	Banknotes and coins
20	Credit and equivalent - up to 1 year	20	Credit and equivalent - up to 1 year

Before December 2014		December 2014 onwards	
30	Credit and equivalent - from 1 year to 5 years	30	Credit and equivalent - from 1 year to 2 years
30	Credit and equivalent - from 1 year to 5 years	40	Credit and equivalent - from 2 year to 5 years
40	Credit and equivalent - more than 5 years	50	Credit and equivalent - more than 5 years
50	Securities other than equity - up to 1 year	60	Debt securities - up to 1 year
60	Securities other than equity - from 1 year to 2 years	70	Debt securities - from 1 year to 2 years
70	Securities other than equity - more than 2 years	80	Debt securities - more than 2 years
80	Equity securities	90	Traded shares
80	Equity securities	100	Untraded shares
80	Equity securities	110	Other equities
80	Equity securities	120	Units
100	Properties, furnitures, and equipments	130	Properties, furnitures, and equipments
110	Miscellaneous assets	140	Miscellaneous assets
90	Units (included in equity securities)	120	Units

Comment : Before December 2014, the financial instrument "Units" (coded 90) is also included in the financial instrument "Equity securities" (coded 80).

When calculating the aggregates, to avoid double counting the value for "Unit" should be dropped.

Panel B: Liability side (*instrument_liab*)

Before December 2014		December 2014 onwards	
Code	**Designation**	**Code**	**Designation**
130	Demand deposits (excluding sight deposits)	380	Demand deposits (excluding sight deposits)
140	Deposits redeemable at a notice of up to 90 days (excluding sight deposits)	390	Deposits redeemable at a notice of up to 90 days (excluding sight deposits)
150	Deposits redeemable at a notice of more than 90 days (including sight deposits)	400	Deposits redeemable at a notice of more than 90 days (including sight deposits)

Before December 2014		December 2014 onwards	
170	Deposits and equivalent (excluding demand deposits, deposits redeemable at notice, and trading liabilities) - up to 1 year	420	Deposits and equivalent (excluding demand deposits, deposits redeemable at notice, and trading liabilities) - up to 1 year
180	Deposits and equivalent (excluding demand deposits, deposits redeemable at notice, and trading liabilities) - from 1 to 2 years	430	Deposits and equivalent (excluding demand deposits, deposits redeemable at notice, and trading liabilities) - from 1 to 2 years
190	Deposits and equivalent (excluding demand deposits, deposits redeemable at notice, and trading liabilities) - more than 2 years	440	Deposits and equivalent (excluding demand deposits, deposits redeemable at notice, and trading liabilities) - more than 2 years
200	Trading liabilities	450	Trading liabilities - up to 1 year
200	Trading liabilities	460	Trading liabilities - more than 1 year
210	Securities other than capital - up to 1 year	470	Debt securities issued - up to 1 year
220	Securities other than capital - from 1 to 2 years	480	Debt securities issued - from 1 to 2 years
230	Securities other than capital - from 2 years	490	Debt securities issued - more than 2 years
240	Capital and reserves	500	Capital and reserves
260	Miscellaneous liabilities	520	Miscellaneous Liabilities

Counterparty code

Classification of counterparty

Abbreviation	Definition
counterparty_asset	Classification of counterparty: asset side
counterparty_liab	Classification of counterparty: liability side

Availability: Sep. 1997 - Dec. 2021

The classification of counterparties was also revised in December, 2014. The correspondence table for the counterparty codes between the two reporting systems (aligned based on the previous reporting system) is:

Table 3 - Correspondence Table for Counterparties

Panel A: Asset side (*counterparty_asset*)

Before December 2014		December 2014 onwards	
Code	**Designation**	**Code**	**Designation**
10	Monetary financial institutions	11	Central banks
10	Monetary financial institutions	12	Money market funds
10	Monetary financial institutions	13	Deposit institutions, excluding central banks
20	Other financial intermediaries and financial auxiliaries	18	Other financial intermediaries, financial auxiliaries, and captive financial institutions and money lenders
20	Other financial intermediaries and financial auxiliaries	22	Investment fund, excluding money market funds
30	Insurance corporations and pension funds	31	Insurance corporations
30	Insurance corporations and pension funds	32	Pension funds
40	Central government	40	Central government
50	Regional government	50	Regional government
60	Local government	60	Local government
70	Social security	70	Social security
80	Non-financial institutions	80	Non-financial institutions
90	Individuals	91	Family
90	Individuals	92	Non-profit institutions serving households
120	Irrelevant sector	120	Irrelevant sector

Panel B: Liability side (*counterparty_liab*)

Before December 2014		December 2014 onwards	
Code	**Designation**	**Code**	**Designation**
10	Central banks	10	Central banks
20	Institutions not subject to minimum reserves, namely the money market funds	21	Money market funds

Before December 2014		December 2014 onwards	
30	Institutions subject to minimum reserves	22	Deposit institutions, excluding central banks
40	Other financial intermediaries and financial auxiliaries	39	Other financial intermediaries, financial auxiliaries, and captive financial institutions and money lenders
40	Other financial intermediaries and financial auxiliaries	43	Investment fund, excluding money market funds
50	Insurance corporations and pension funds	51	Insurance corporations
50	Insurance corporations and pension funds	52	Pension funds
60	Central government	60	Central government
70	Regional government	70	Regional government
80	Local government	80	Local government
90	Social security	90	Social security
100	Non-financial institutions	100	Non-financial institutions
110	Individuals	111	Family
110	Individuals	112	Non-profit institutions serving households
120	Irrelevant sector	120	Irrelevant sector

`Country`

Country of origin or region of the counterparty

Abbreviation	Definition
country	Country of origin

Availability: Sep. 1997 - Dec. 2021

Table 4 - Counterparty Countries (*country*)

Code	Designation
UM-PT	Monetary Union countries excluding Portugal
TP-UM	Countries outside Monetary Union
EUB	European Central Bank
AUT	Austria
BEL	Belgium
CYP	Cyprus
DEU	Germany
ESP	Spain

Code	Designation
EST	Estonia
FIN	Finland
FRA	France
GRC	Greece
IRL	Ireland
ITA	Italy
LTU	Lithuania
LUX	Luxembourg
LVA	Latvia
MLT	Malta
NLD	Netherlands
PRT	Portugal
SVK	Slovakia
SVN	Slovenia

Comment : One should take caution not to double count the Monetary Union (UM) countries when calculating the aggregates. For example, the total assets of each bank should be aggregated only using the following components: *Portugal, Monetary Union countries excluding Portugal (UM-PT) and Countries outside Monetary Union (PT-UM).*

`Institution type`

Type of institution. This variable is only available from December, 2014 onwards.

Abbreviation	Definition
inst_type	Type of institution

Availability: Dec. 2014 - Dec. 2021

Table 5 – Institution type (*inst_type*)

Code	Designation
1	Banks
2	Saving banks
3	Money market fund
4	Central agricultural credit bank and mutual agricultural credit banks

`Value`

Value outstanding of a financial instrument, expressed in millions of euros.

Abbreviation	Definition
value	Amount (in million euros)

Availability: Sep. 1997 - Dec. 2021

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Basic Descriptive Statistics

Table 6 - Number of observations over the data period (as of December)

Year	Freq.
1997	2990
1998	3117
1999	3321
2000	3014
2001	2940
2002	2926
2003	3164
2004	3194
2005	2252
2006	2391
2007	2452
2008	2545
2009	2542
2010	2429
2011	2317
2012	2326
2013	2206
2014	2882
2015	2894
2016	2857
2017	2829
2018	2771
2019	2784
2020	2753
2021	2853

Auxiliary Files

For a description of each variable in each dataset (name, unit of measurement, data and storage type, format, year of first and last observation), an account of the changes occurred over time, summary statistics for each dataset and a codebook for each dataset, please check the following auxiliary files:

Data File	Description of Variables	Summary Statistics	Codebook	Dataset description
Bank Balance Sheet (BBS)	var_bbs.html	stat_bbs.html[5]	cdbk_bbs.html	dscr_bbs.html

The Summary Statistics, Codebook and Dataset Description files are available on BPLIM's servers.

Useful Links

https://www.bportugal.pt/EstatisticasWEB/MetadataItens/MContexto_IFM_EN.htm

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[5]Please note that the summary statistics are run based on the perturbed data.

Legislation

Below is a list of relevant legislations:

1. **Instrução no. 43/97**
2. **Instrução no. 19/2002**
3. **Instrução no. 12/2010**
4. **Instrução no. 20/2012**
5. **Instrução no. 25/2014**

Citation of this dataset

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