



TÜRKİYE CUMHURİYET
MERKEZ BANKASI

DEPOSITS AND LOAN INTEREST RATES

SESRIC STATISTICAL CAPACITY BUILDING PROGRAMME
Training Course on “Monetary and Financial Statistics”

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Data Governance and Statistics Department
Monetary and Financial Data Division

7 - 8 November 2024

İstanbul



Outline

▪ Introduction

▪ Deposit Interest Rates

- What is compiled?
- Form Sample
- What is published?

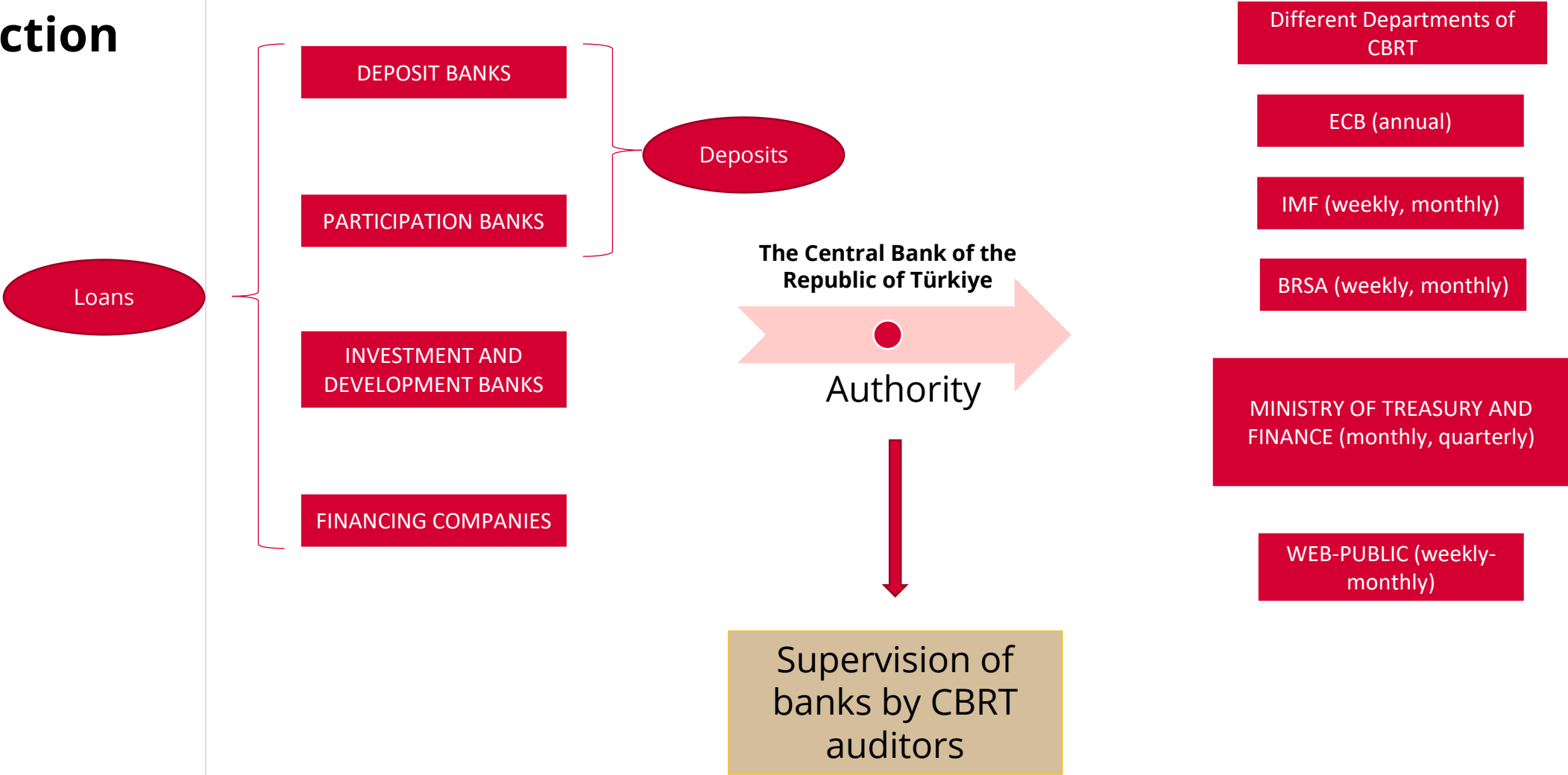
▪ Loan Interest Rates

- What is compiled?
- Form Sample
- What is published?

▪ Difficulties

▪ Abbreviations

Introduction



Introduction

5 Personnels for loans (KT forms) and deposits (MT forms) interest rates data

- BS in econ, stat, econometrics, management
- Python, SAP BO, Excel, In-house programs

Introduction

Data collection scheme in loans and deposits is same.

Web based Financial Data Collection System (FVTS):

- Automated cross-controls made within the system

Banks upload data (in forms) to Electronic Data Transfer System (EVAS)

7 forms in deposits and 15 forms in loans

Tolerances (for both amounts and interest rates)

Red, yellow, green alerts (for percentage changes in interests and volume changes in amounts)

Automatic control results e-mailed both to us and the bank

Manual controls still needed

Introduction

Reporting Period for Loans and Deposits:

- Newly opened or renewed loans, weekly flow
 - t+2
- Outstanding stock loans, monthly
 - t+18

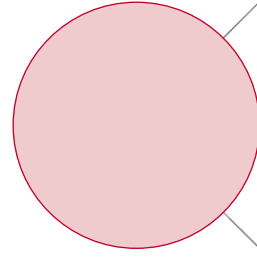
Communication with banks by phone and e-mails to correct data or confirmation of percentage changes in interest rates and volume of deposit and loans

Revisions allowed in case of inaccurate reporting (manual upload)

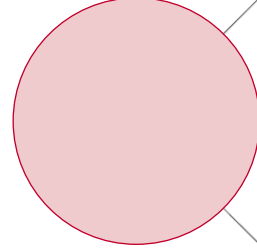
Analyze the data after uploaded to Database in time series, sector, loan&deposit types and banksome manner.

Goal: High quality data

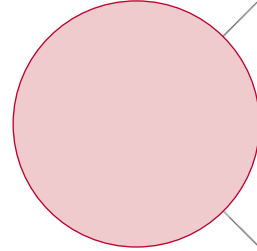
Introduction



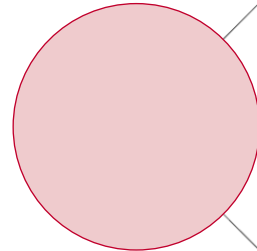
After final checks, direct reporting to the authorities, institutions and publish on the Central Bank web site under Statistics section.



We have Data Release Calender on both our website and in TÜİK web site.



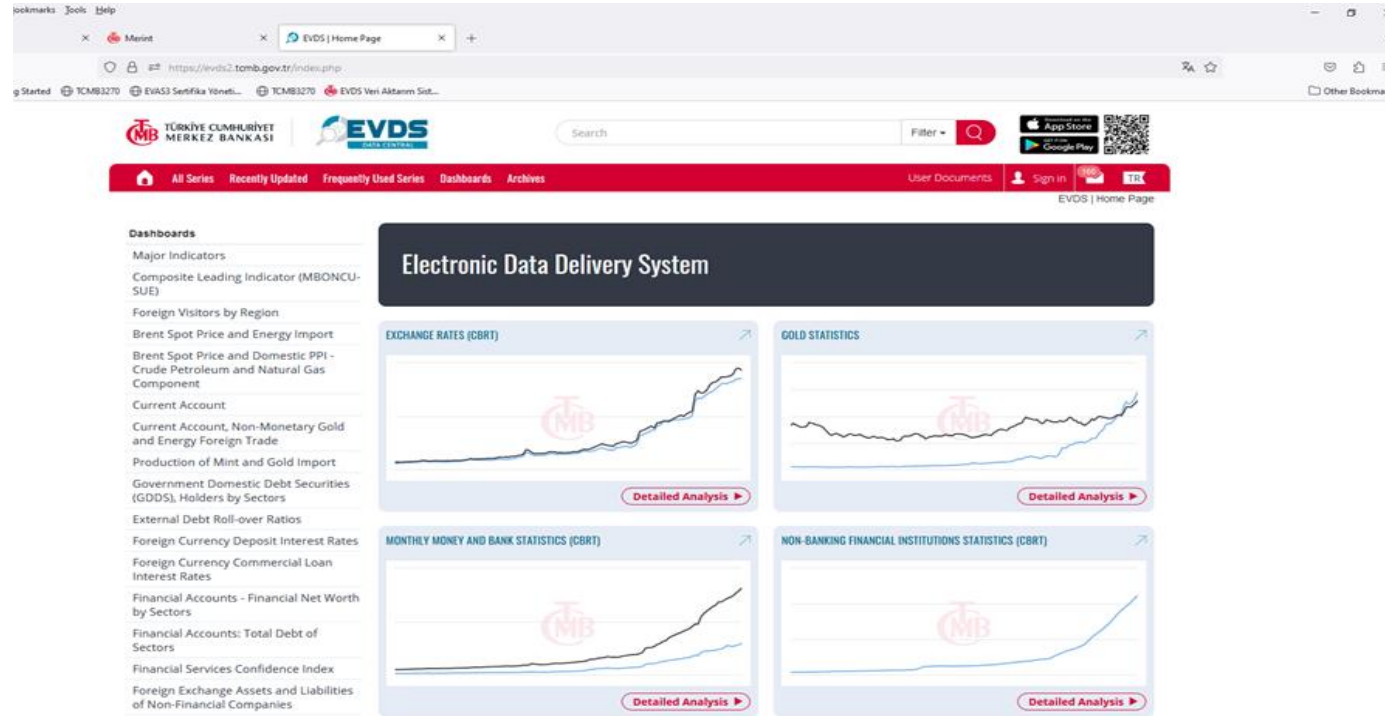
Weighted Average Interest Rates of Deposits and Loans are classified under Official Statistics Programme of Türkiye



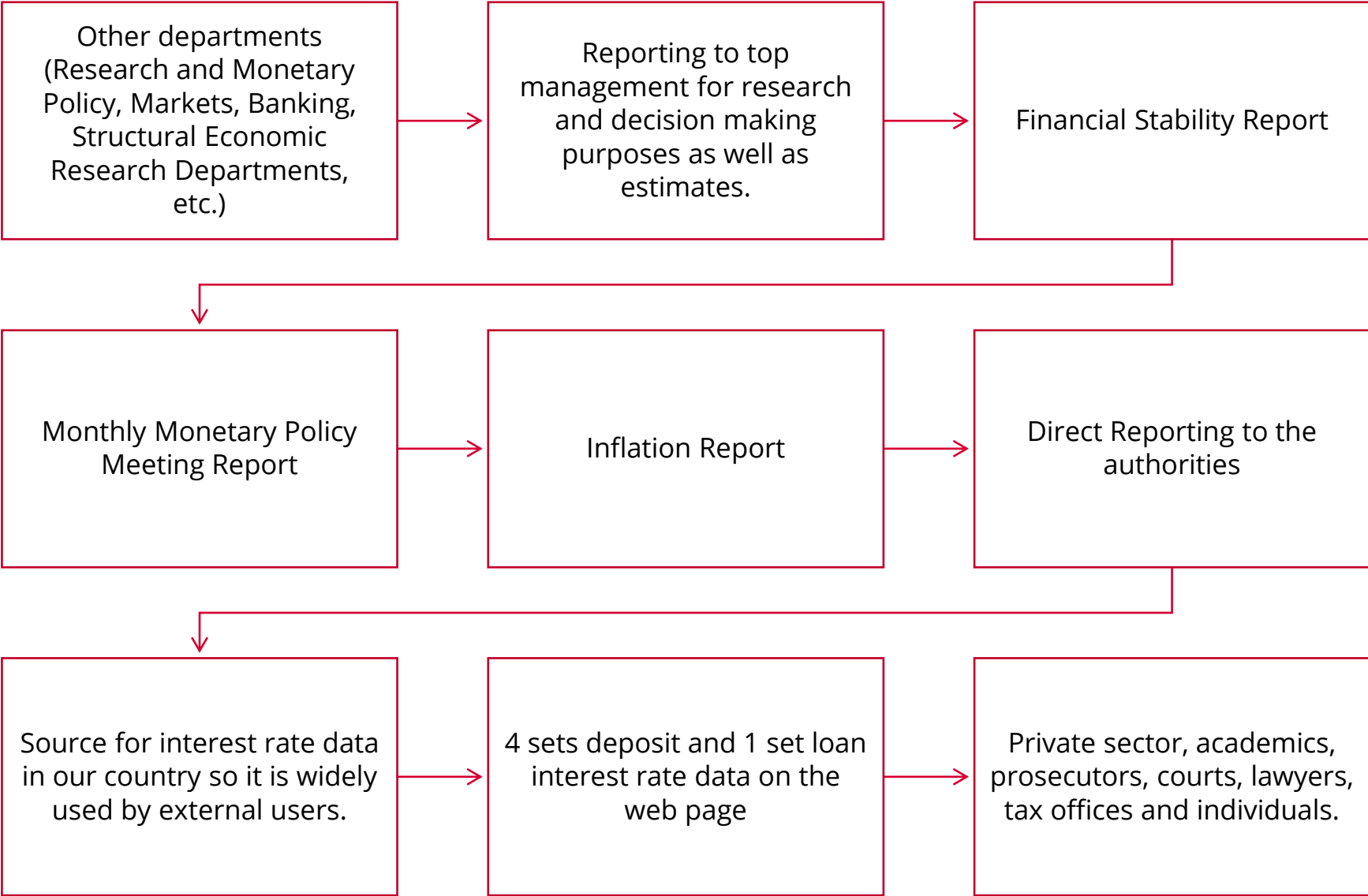
Also courts apply to our division for deposit and loan interest rates for financial cases where we report effective maximum interest rates.

Introduction

- Publishing interest rates of loans and deposits on CBRT Website on a schedule, Electronic Data Delivery System (EVDS).
- <https://www3.tcmb.gov.tr/veriyaytakvim/calendar.php>
- <https://www.tcmb.gov.tr/wps/wcm/connect/en/tcmb+en>
- <https://evds2.tcmb.gov.tr/index.php>



Introduction



Deposit Interest Rates

- ✓ What is compiled?
 - ✓ Form Sample
- ✓ What is published?

Deposit Interest Rates- What is compiled?

Regulation and Data Web Address

Regulation:

- <https://www.tcmb.gov.tr/wps/wcm/connect/TR/TCMB+TR/Main+Menu/Banka+Hakkinda/Mevzuat/Istatistik/>

Data Web Address:

- <https://www.tcmb.gov.tr/wps/wcm/connect/EN/TCMB+EN/Main+Menu/Statistics/Interest+Rate+Statistics>

Latest Data:

- <https://evds2.tcmb.gov.tr/index.php?/evds/portlet/C0V7OdyCFcM%3D/en>
- <https://evds2.tcmb.gov.tr/index.php?/evds/portlet/lrcsQFWxtqo=/en>
- <https://evds2.tcmb.gov.tr/index.php?/evds/portlet/hldR20CDwM4%3D/en>
- <https://evds2.tcmb.gov.tr/index.php?/evds/portlet/qh1gwojhm%2Bw%3D/en>

Deposit Interest Rates- What is compiled?

Deposit Types, Maturity Detail, Deposit Size and Other Details

Deposit Types:

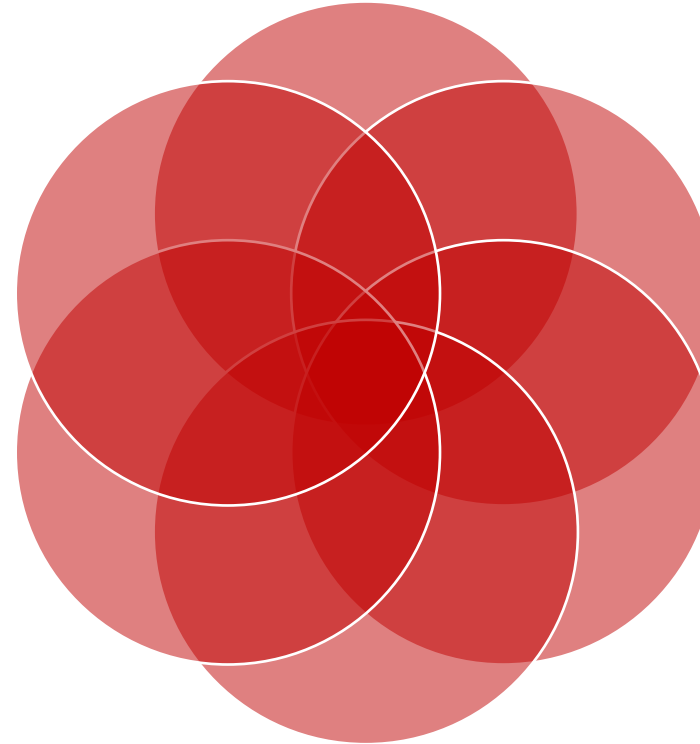
- Saving Deposits
- Government Deposits
- Commercial Deposits
- Banks Deposits
- Other Deposits

Maturity Detail:

- Up to 1 Month
- Up to 3 Months
- Up to 6 Months
- Up to 1 Year
- 1 Year and longer
- Accumulative deposits

Currency breakdown

E-Deposits type, maturity,
amount and interest rate.



Variable interest rate
deposits

0-10K, 10-50K, 50-100K, 100-
250K, 250-500K, 500K-1 Mio, 1
Mio and more deposits

Deposit Interest Rate- What is compiled?

Interest Rate Definitions

Weighted average annual compound interest rates: Weighting the interest rate by the amount.

- Weekly flow, monthly stock (TRY, USD, EUR, DGR, XAU)

Min Max Avg Applied Simple Interest Rates

- Weekly flow-loan amount interval (TRY, USD, EUR, XAU)

Maximum Applied Simple Interest Rates

- Monthly stock (TRY, USD, EUR, DGR, XAU)

Deposit Interest Rate- What is compiled?

Weekly and Monthly Forms

Weekly Forms

- Banks (4 Forms): MF100H-
MT200H-MT201H-MT202H

Monthly Forms

- Banks: (3 Forms) MT210A-
MT211A-MT212A

Deposit Interest Rate- What is compiled?

Weekly Form Explanations

- **MF100H:** Amounts, weighted average and applied **min max avg** interest rates by type, maturity and deposit size. Weekly flow data.
- **MT200H:** Deposit amounts and weighted average interest rate according to type and detailed maturity-Deposits collected domestically and deposits collected for abroad branches domesticallay-Consolidated.
- **MT201H:** Deposit amounts and weighted average interest rate according to type and detailed maturity-Deposits collected by **domestic** branches.
- **MT202H:** Deposit amounts and weighted average interest rate according to type and detailed maturity-Deposits collected by domestic brances for **abroad branches**.

Deposit Interest Rate- What is compiled?

Monthly Form Explanations

- **MT210A:** Deposit amounts, weighted average and **applied max** interest rate according to type and detailed maturity-Deposits collected domestically and deposits collected for abroad branches domestically-Consolidated.
- **MT211A:** Deposit amounts, weighted average and **applied max** interest rate according to type and detailed maturity-Deposits collected **domestically**-Consolidated.
- **MT212A:** Deposit amounts, weighted average and **applied max** interest rate according to type and detailed maturity-Deposits deposits collected for **abroad branches** domestically-Consolidated.

WEEKLY DEPOSIT DATA – TYPE AND MATURITY, AMOUNT, WEIGHTED AVERAGE INTEREST RATE, CONSOLIDATED

Deposit Interest Rate-Form Sample

Banks

Weekly MT200H Form, Some Headings

Line #	Maturity	Saving Deposits		Government Deposits		Commercial Deposits		Banks		Other Institutions	
		Total Amt.	Weigt. Inter.	Total Amt.	Weigt. Inter.	Total Amt.	Weigt. Inter.	Total Amt.	Weigt. Inter.	Total Amt.	Weigt. Inter.
1	Up to 1 m										
2	1-7 days										
3	8-15 days										
4	16-31 days										
5	1 month										
6	Up to 3 m										
7	32-45 days										
8	46-60 days										
...	...										
...	...										

Deposit Interest Rates

What is published?

Weighted Average Interest Rates for Deposits (Weekly, Flow)

Weighted Average Interest Rates for Deposits (Monthly, Stock)

4 series are published w/maturity breakdown:

Applied Maximum Interest Rates for Deposits of Banks

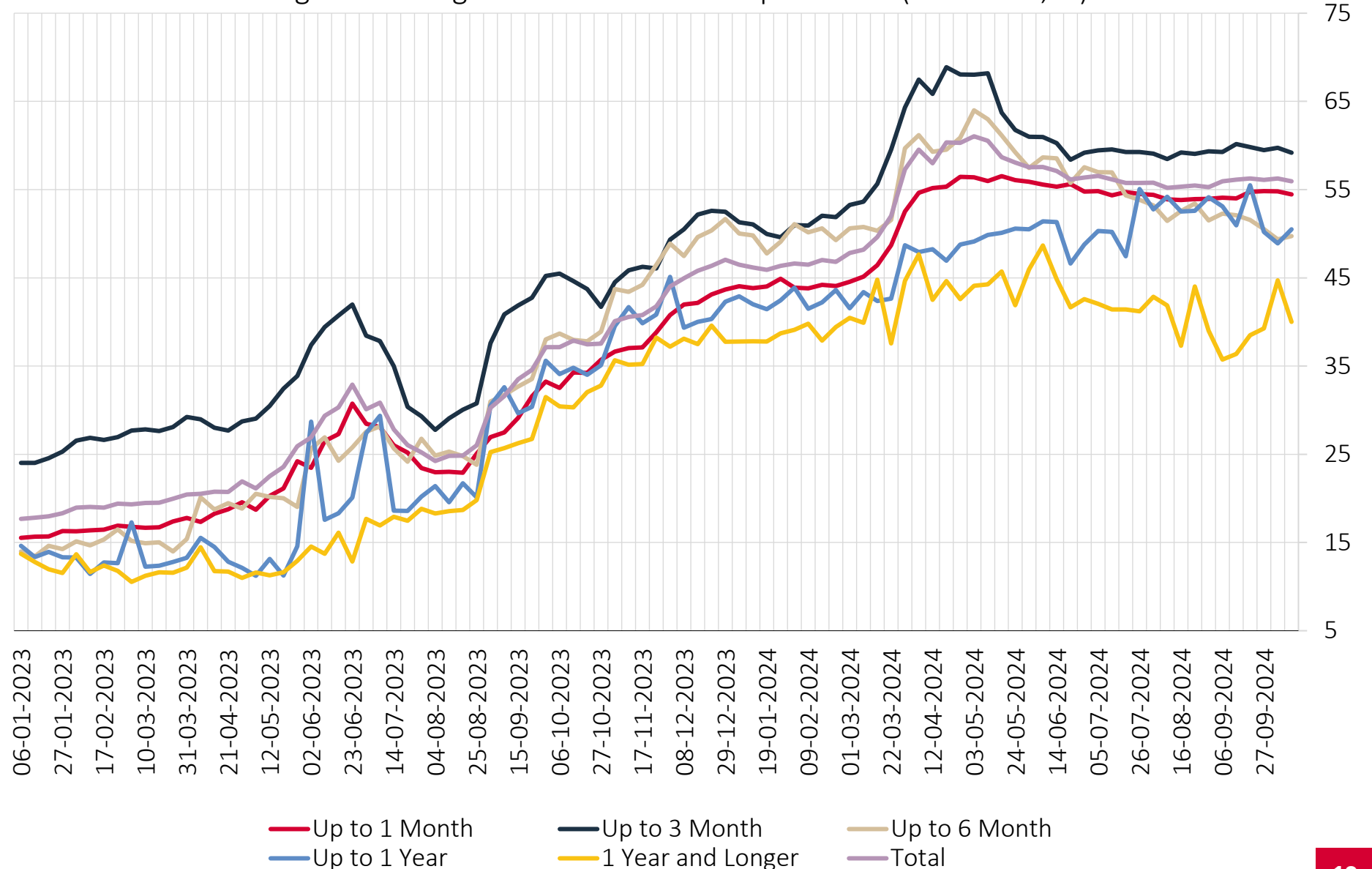
Applied Maximum Interest Rates for Deposits of State Banks

Weekly Flow Deposit Interest Rate-What is published?

Maturity structure

Deposit interest rate is between 40.01% and 60% by 11th of October 2024 for different maturities.

Weighted Average Interest Rates for Deposits TRY (Flow Data, %)

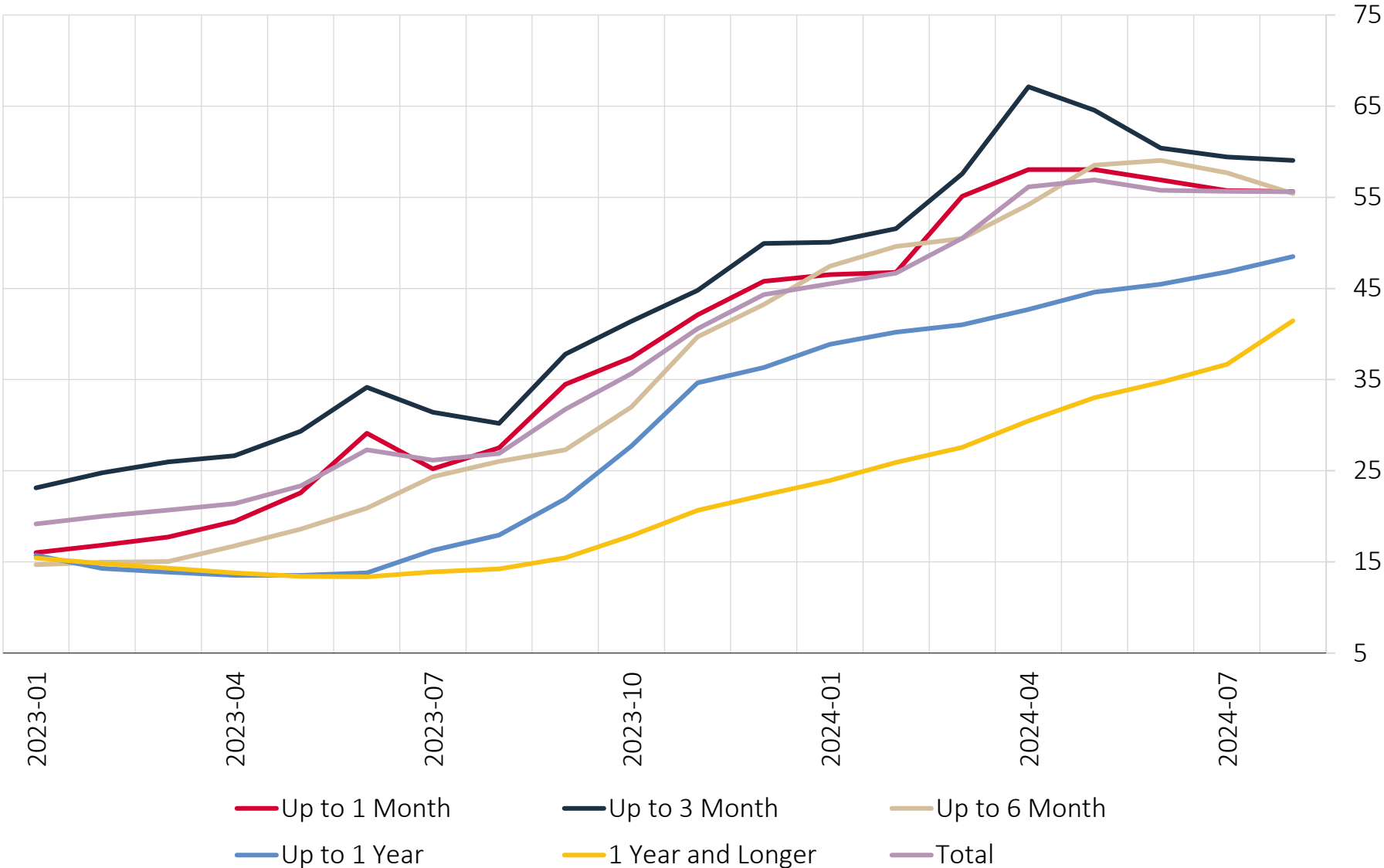


Monthly Stock Deposit Interest Rate-What is published?

Maturity structure

Stock deposit interest rate is between 41.46% and 59.05% by August 2024 for different maturities.

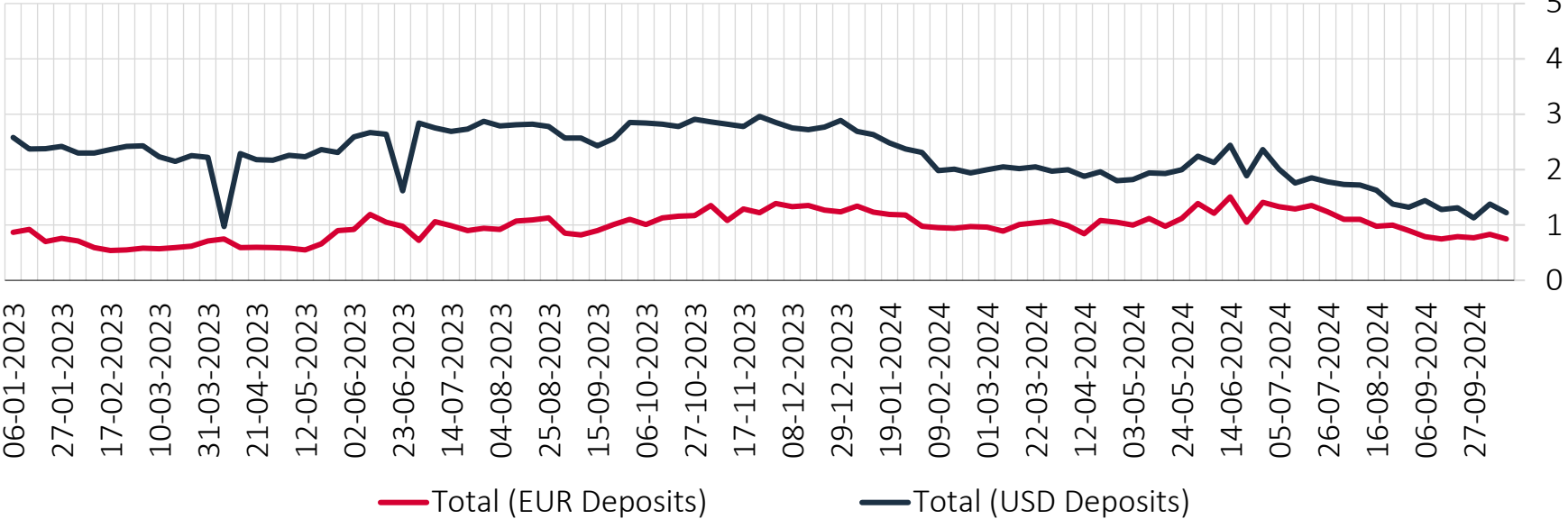
Weighted Average Interest Rates For Deposits In TRY (Stock, %)



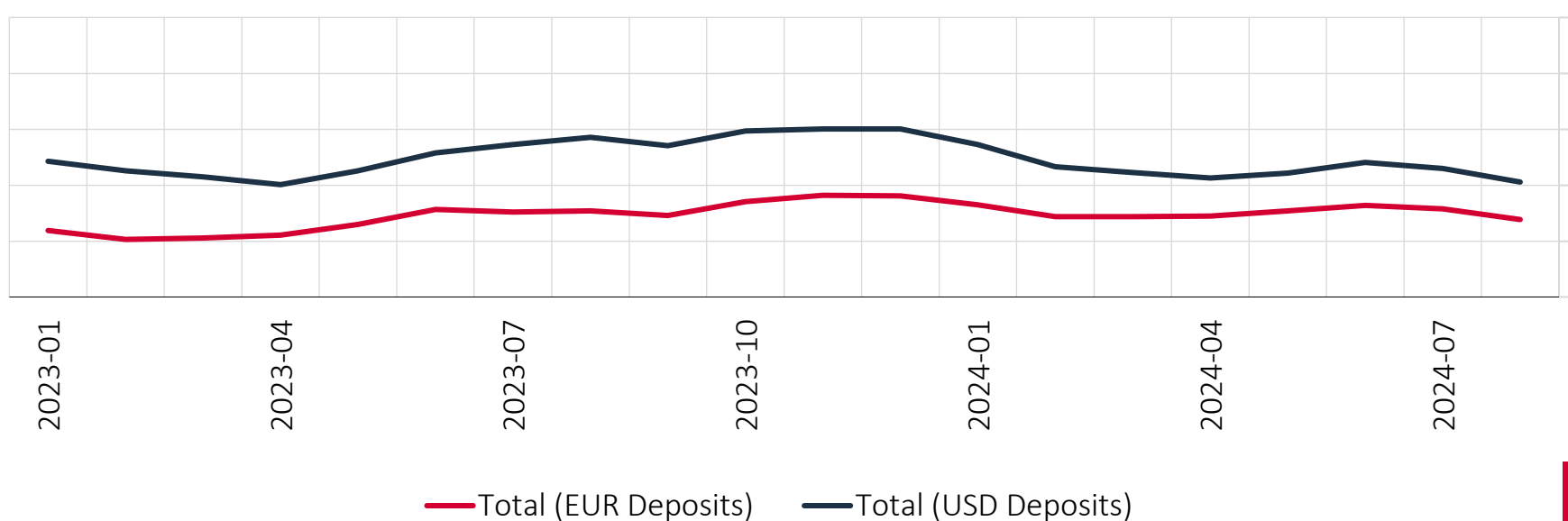
EUR-USD Flow and Stock Deposit Interest Rate-What is published?

Stock deposit interest rates are higher since the amount of deposits are the total outstanding stock of the banks.

Weighted Average Interest Rates for EUR-USD Deposits (Flow, %)



Weighted Average Interest Rates for EUR-USD Deposits (Stock Data, %)



Loan Interest Rates

- ✓ What is compiled?
 - ✓ Form Sample
- ✓ What is published?

Loan Interest Rate-What is compiled?

Regulation and Data Web Address

Regulation:

- <https://www.tcmb.gov.tr/wps/wcm/connect/TR/TCMB+TR/Main+Menu/Banka+Hakkinda/Mevzuat/Istatistik/>

Data Web Address:

- <https://www.tcmb.gov.tr/wps/wcm/connect/EN/TCMB+EN/Main+Menu/Statistics/Interest+Rate+Statistics>

Latest Data:

- <https://evds2.tcmb.gov.tr/index.php?/evds/portlet/K24NEG9DQ1s%3D/en>

Loan Interest Rate-What is compiled?

Scope: Performing loans

Reporting financial institutions:

- Deposit banks, investment and development banks, participation banks, financing companies.

Loan types:

- Commercial
- Consumer
 - Personal Finance
 - Housing
 - Vehicle
- Credit Cards

Loan Interest Rate-What is compiled?

Small and Medium Enterprise (SME) details

Credit Guarantee Fund (KGF)/SME Development Organization (KOSGEB) loans via banks

Currency Breakdown for Loans:

- TRY, EUR, USD, Other Currency (DGR), Indexed (USD, EUR, DGR),

Maturity Breakdown for Loans:

- 0-12 m, 12-24 m, 24+ m
- For KGF/KOSGEB loans, additional 37-48 m, 49-60 m, 60+ m
- For zero interest rate loans average maturity (day)

Loan Interest Rate-What is compiled?

Interest Rate Terminology

- **Weighted average annual interest rate:** Weighting the interest rate by the amount.
- **Simple Interest:** The interest rate declared for the loan.
- **Compound* Interest:** Annualized compound interest rate.
- **Effective annual interest rate:** It is the interest rate that equates the present value of all interest and principal repayments with the loan principal and is calculated on an annual basis.
- **Maximum Contractual and Maximum Delay Interest Rates:** Taken into account in the calculation of the weighted average interest rate for credit cards.
- **Other expenses** included weighted average annual compound interest rates:** The rate obtained as a result of expressing the items containing all kinds of fees, expenses and commissions other than interest, weighting them with the loan amount, and adding them with the weighted average interest rate, reflecting the non-interest cost.
- **Interest Rate Applied:** Weighted Average Interest Rate with Other Costs.
- **Applied maximum simple interest rates, monthly**
- **Min-Max-Avg other expenses included weighted average annual compound interest rates, weekly**
- **Zero interest rate loans, weekly**

* Loans with irregular payment plan, effective interest rate is reported.

** Commissions, taxes etc.

Loan Interest Rate-What is compiled?

Weekly and Monthly Forms

Weekly Forms

- Banks: (8 Forms): KT200H-KT203H-KT204H-KT205H-GF100H-FF100H-FF101H-SF100H
- Financing Companies: (3 Forms) FS100H-FF103H-SF103H

Monthly Forms

- Banks: (5 Forms) KT210A-KT213A-KT214A-KT215A-GF100A
- Financing Companies: (1 Form) FS101A

Loan Interest Rate-What is compiled?

Weekly Form Explanations

- **KT200H:** Flow loan amount, weighted average interest rate and rate with other costs, reported by banks with maturity structure and loan types.
- **KT203H-KT204H-KT205H:** SME detail of form KT200H.
- **GF100H:** Flow loan amount, weighted average interest rate and rate with other costs, reported by banks with maturity structure and loan types within the scope of the Credit Guarantee Fund / KOSGEB.
- **FF100H:** The purpose of this form is to determine the lowest, highest and average interest rates applied by banks to loans by type within the relevant week.
- **FF101H:** The purpose of this form is to determine the lowest, highest and average interest rates in terms of the types of loans extended to SMEs by banks during the relevant week.
- **SF100H:** The purpose of this form is to report zero-interest loans provided by banks and zero-interest loans provided to SMEs.
- **FS100H-FF103H-SF103H:** Flow loan amount, weighted interest rate and weighted interest rate together with other costs, reported by financing companies by maturity according to loan types. In addition, the lowest, highest and average interest rates actually applied and zero-interest loans are also reported.

Loan Interest Rate-What is compiled?

Monthly Form Explanations

- **KT210A:** Monthly Forms for Stock Loans.
- **KT213A-KT214A-KT215A:** Monthly Forms for SME Stock Loans.
- **GF100A:** Credit Guarantee Fund and KOSGEB (Small and Medium Enterprises Development Organization) supported loans, reported by banks. Stock loans, weighted average interest rate and rate w/other expenses, loan types, maturity structure.
- **FS101A:** Financing Companies Monthly stock loans.

Loan Interest Rate-What is compiled?

Loan Types

1. Commercial Loans (2+3+4+5+6+7+8+9+10+11+12+13+14)

- 2.Receivables from Discounted Transactions 3.Export Credits 4.Import Credits 5.Export Guaranteed Investment Loans 6.Other Investment Loans 7.Business Loans 8.Specialized Loans 9.Fund Sourced Loans 10.Loans for Purchase of Securities on Behalf of Customers 11.Precious Metal Loans 12.Receivables from Factoring Transactions 13.Loans Extended to Non-Bank Financial Sector 14.Other Loans

15.Consumer Loans (16+17+18+19+20+21)

- 16.General Purpose Loans 17.Vehicle Loans 18.Housing Loans (Fixed Interest) 19.Housing Loans (Variable Interest) 20.Personnel Loans 21.Other Real Estate Loans

22. Credit Cards (23+24)

- 23. Individual Credit Cards 24.Employee Credit Cards 25.Corporate Credit Cards (For Informational Purposes)

26. Overdraft Accounts (27+28)(For Information Purpose)

- 27.Real Person 28.Legal Entity

29. Total Loans (1+15+22)

30. Installment Commercial Loans (For Information Purpose) (31+32+33)

- 31. General Purpose Loans 32. Vehicle Loans 33. Workplace Loans

Loan Interest Rate-Form Sample

Banks

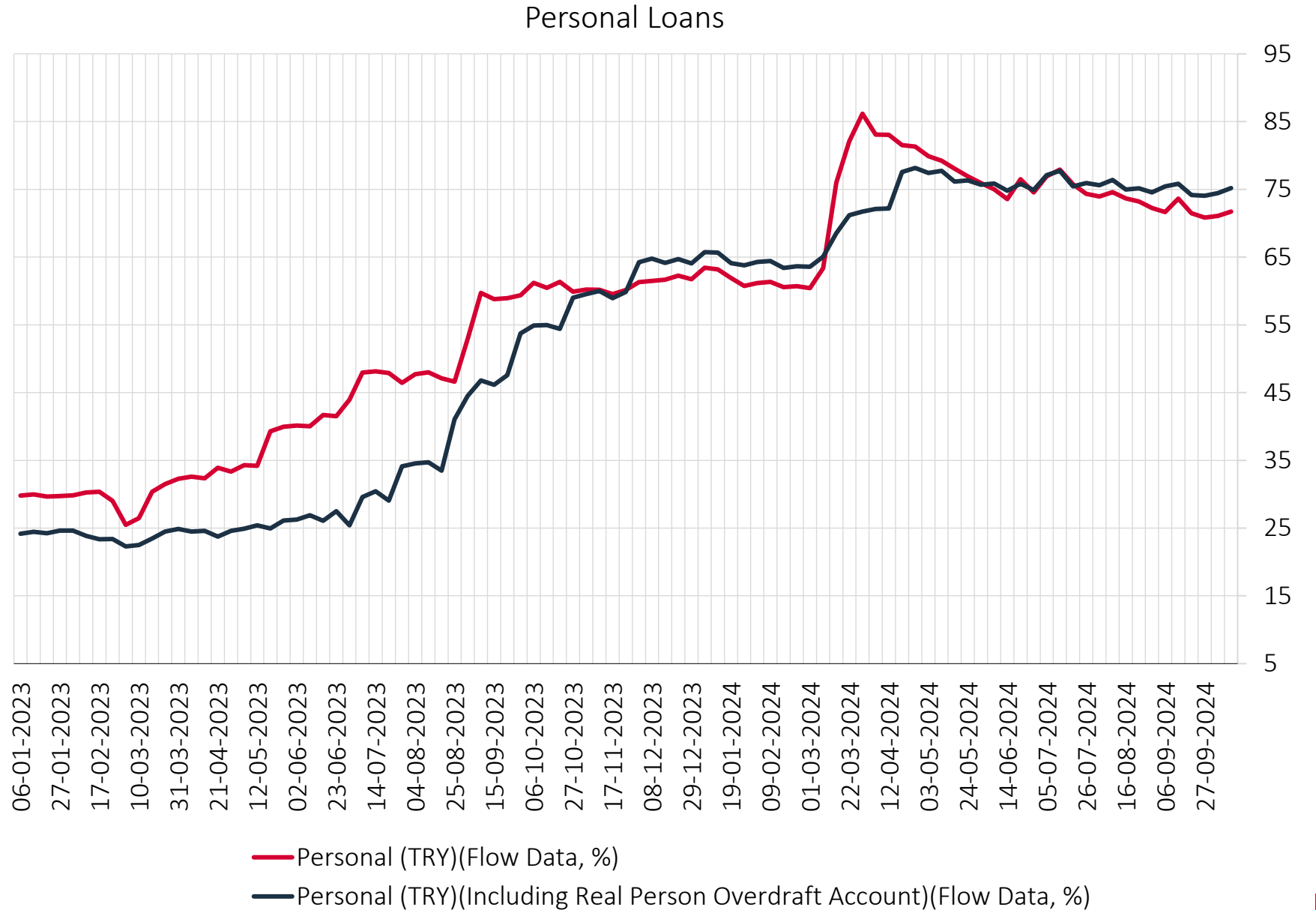
Weekly KT200H Form, Some Headings

WEEKLY LOAN DATA – TYPE AND MATURITY, AMOUNT, WEIGHTED AVERAGE INTEREST RATE AND OTHER EXPENSES INCLUDED INTEREST RATE, CONSOLIDATED

Line No	Loan Type	0-12 Month			13-24 Month			24+ Month		
		Total	Weight. Average Rate	Oth. Expens. Incl.	Total	Weight. Aver. Rate	Oth. Expens. Incl.	Total	Weight. Aver. Rate	Oth. Expens. Incl.
1	Commercial Loans									
2	Discount. Transact. Receivab.									
3	Export Loans									
...	...									
26	Overdraft Accounts (27+28)(Information Purpose)									
27	Real Person									
28	Legal Entity									
...	...									

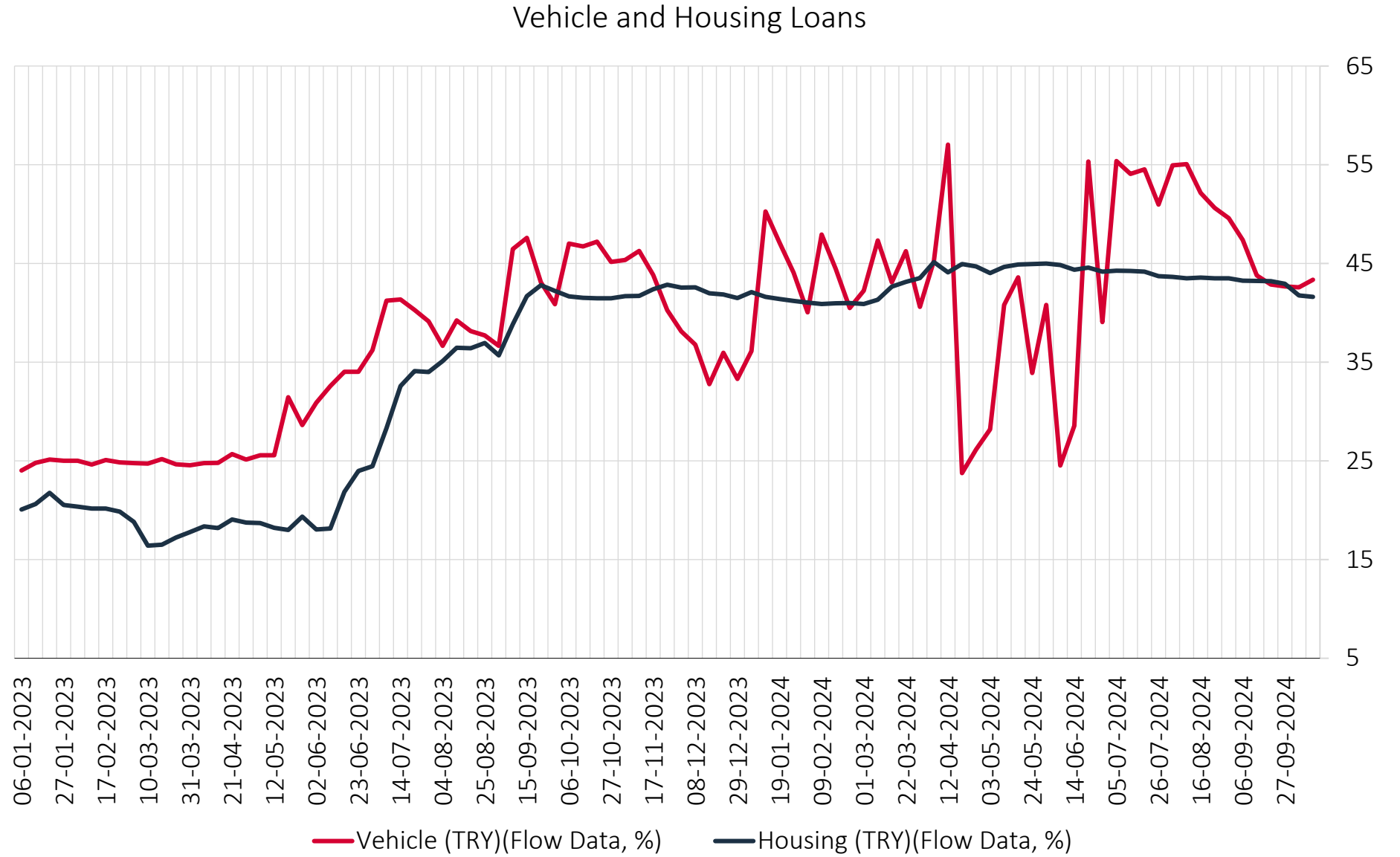
Loan Interest Rate-What is published?

Personal loan interest rate is around 70% in October 2024.



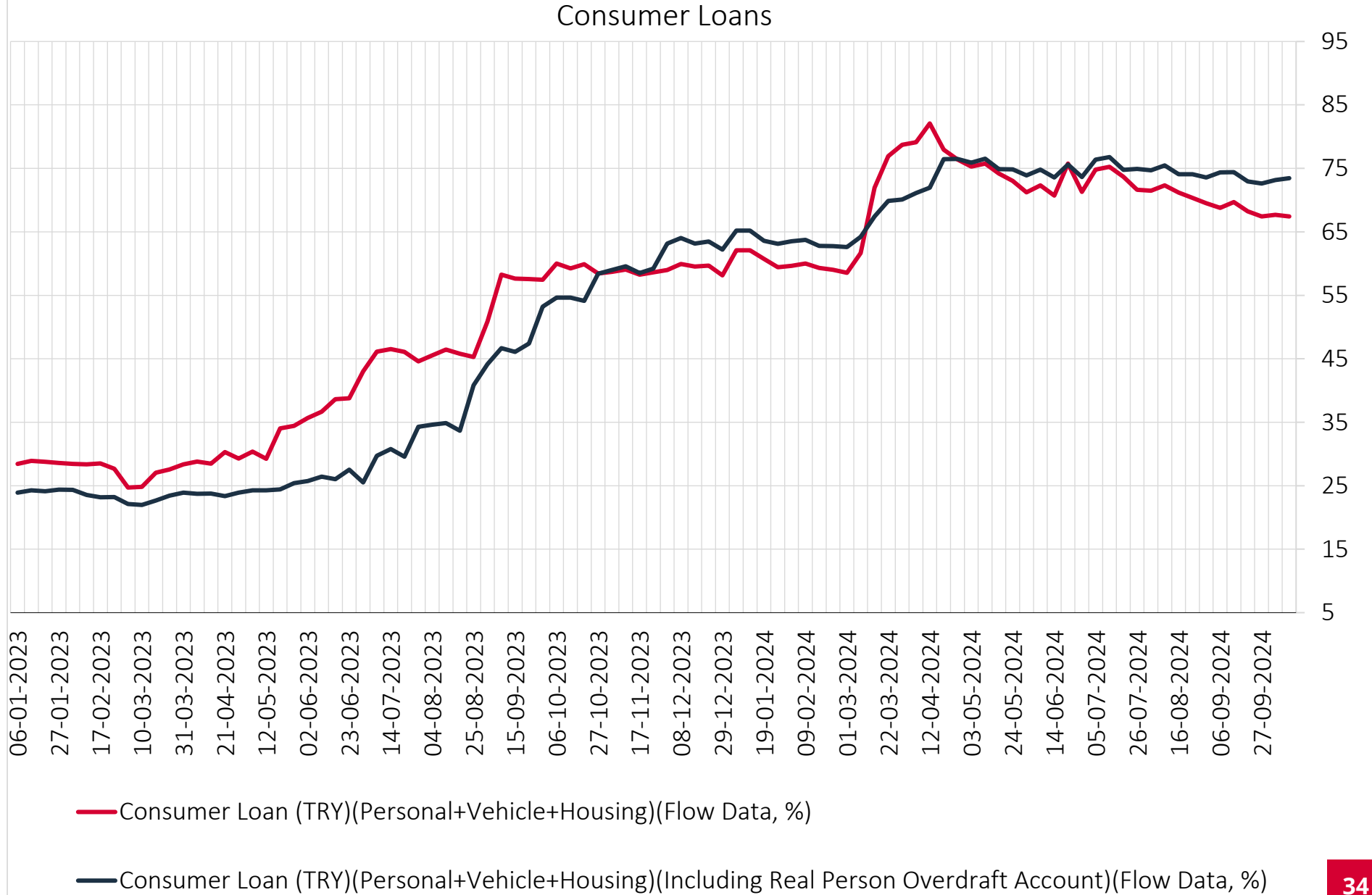
Loan Interest Rate-What is published?

Vehicle and housing loan interest rate is around 40% in October 2024.



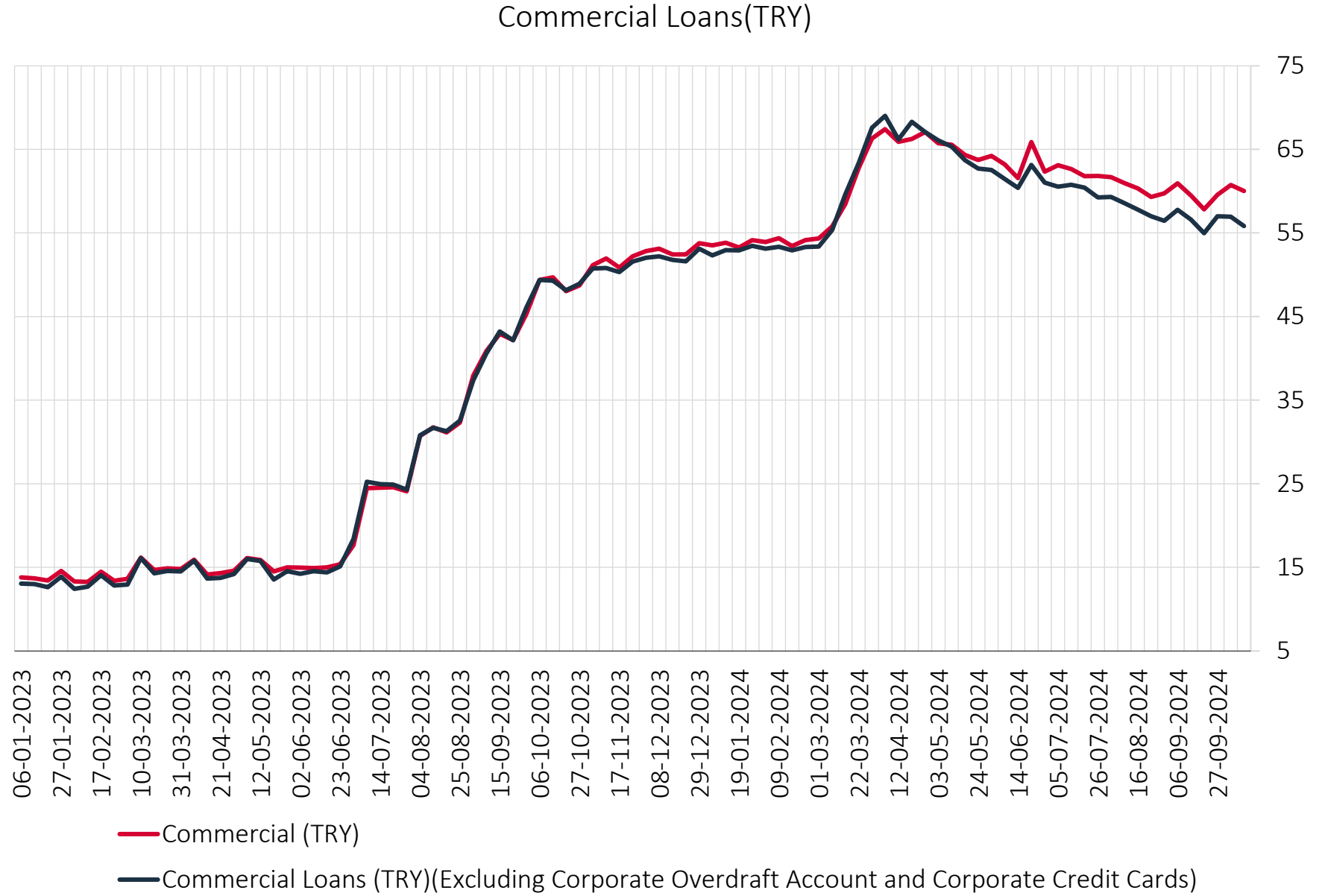
Loan Interest Rate-What is published?

Consumer loan (personal, vehicle, housing) interest rate is around 67% in October 2024.



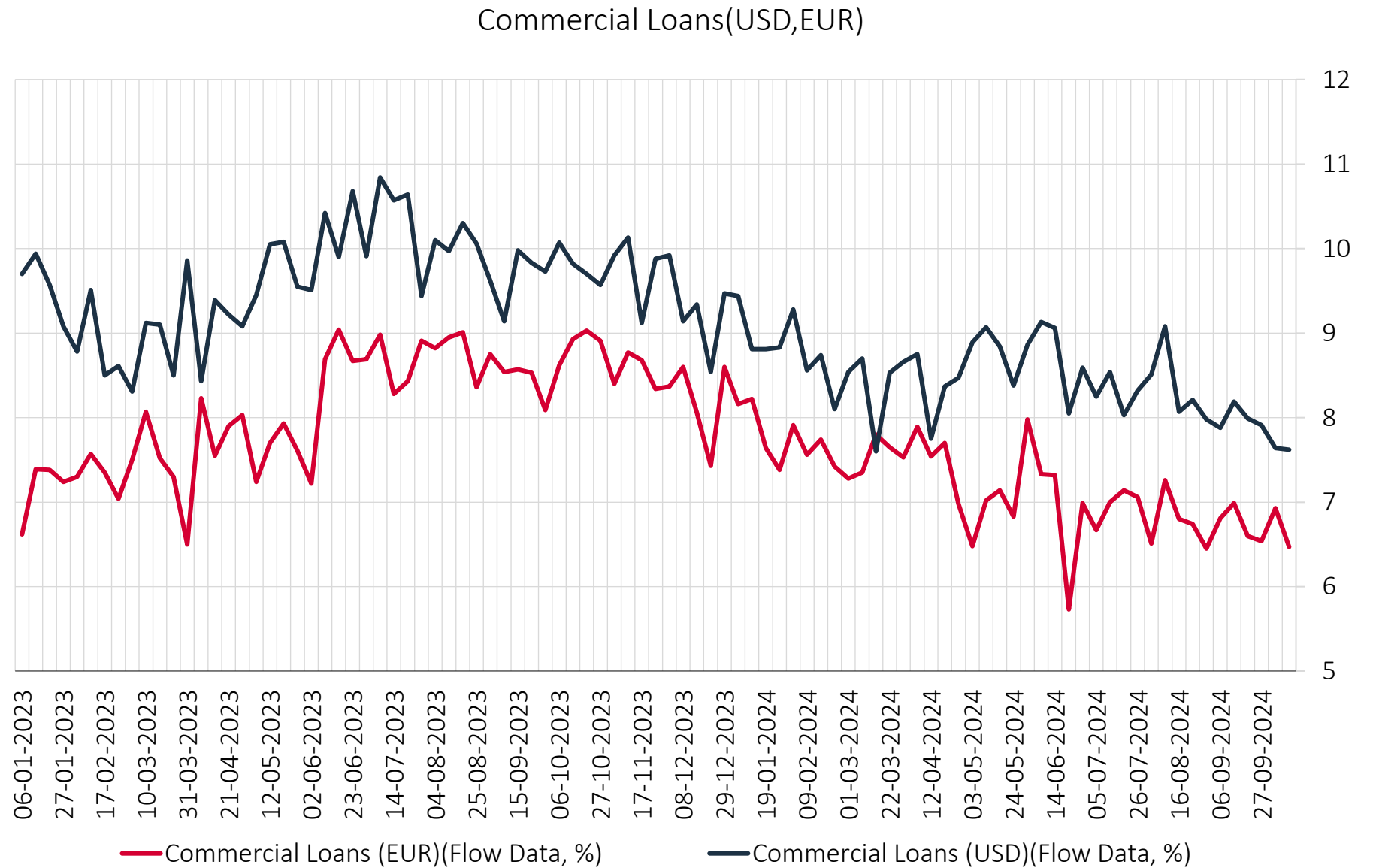
Loan Interest Rate-What is published?

Commercial loan interest rate is around 60% in October 2024.



Loan Interest Rate-What is published?

Commercial USD and EUR loan interest rates are 7.62% and 6.47% respectively in October 2024.



Alphabetical View

Loan rates

INTEREST RATE STATISTICS (CBRT)

- > Weighted Average Interest Rates For Banks Loans (Flow Data, %)
- > Weighted Average Interest Rates for Deposits (Flow Data, %)
- > Weighted Average Interest Rates For Deposits In Turkish Lira (Stock, %)
- > Effective Maximum Interest Rates For Deposits of Banks (Stock Data, %)
- > **Effective Maximum Interest Rates For Deposits of State Banks (Stock Data, %)**
- > Rediscount and Advance Interest Rates (%)

Deposit rates

Effective Maximum Interest Rates For Deposits of State Banks (Stock Data, %)(Monthly)

Observation: Original Observation
 Formula: 1 selected
 Add: +

<input type="checkbox"/>	Serie Name
<input type="checkbox"/>	Up to 1 Month (EUR)(%)
<input type="checkbox"/>	Up to 3 Months (EUR)(%)
<input type="checkbox"/>	Up to 6 Months (EUR)(%)
<input type="checkbox"/>	Up to 1 Year (EUR)(%)
<input type="checkbox"/>	1 Year and Longer (EUR)(%)
<input type="checkbox"/>	Up to 1 Month (TRY)(%)
<input type="checkbox"/>	Up to 3 Months (TRY)(%)
<input type="checkbox"/>	Up to 6 Months (TRY)(%)
<input type="checkbox"/>	Up to 1 Year (TRY)(%)
<input type="checkbox"/>	1 Year and Longer (TRY)(%)
<input type="checkbox"/>	Up to 1 Month (USD)(%)
<input type="checkbox"/>	Up to 3 Months (USD)(%)
<input type="checkbox"/>	Up to 6 Months (USD)(%)
<input type="checkbox"/>	Up to 1 Year (USD)(%)
<input type="checkbox"/>	1 Year and Longer (USD)(%)

MY SELECTIONS

Clear my selections

REPORT SETTINGS



Frequency

Daily

Date From

(12-2011)

03-2012

Date To

(09-2024)

09-2024

Decimal

2

Date Format

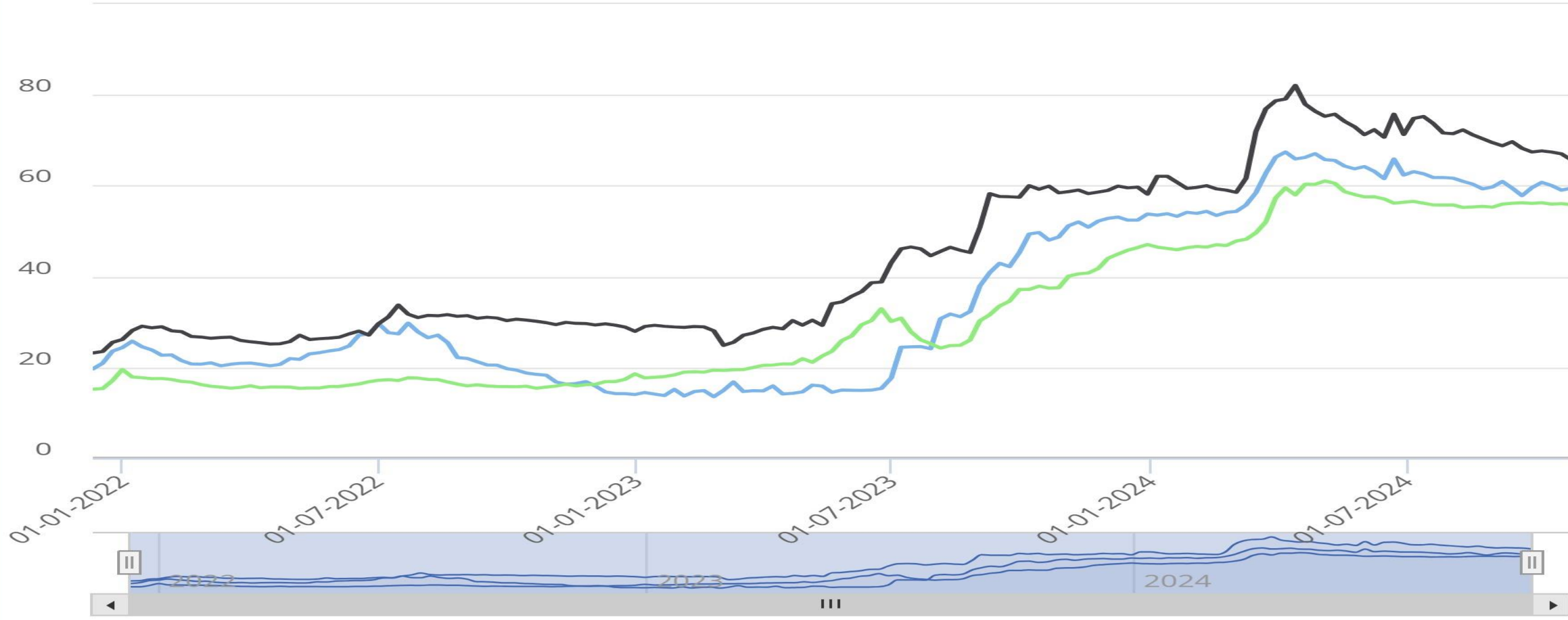
Day-Month-Year

Decimal Separator

Dot (.)

Create Formula

Period 1 Mnt 3 Mnt 6 Mnt 1y **All**



TP_KTF17 **TP_KTFTUK** **TP_TRY_MT06**

TP_KTF17: Commercial (TRY)(Flow Data, %), Weighted Average Interest Rates For Banks Loans (Flow Data, %), Left Axis
TP_KTFTUK: Consumer Loan (TRY)(Personal+Vehicle+Housing)(Flow Data, %), Weighted Average Interest Rates For Banks Loans (Flow Data, %), Left Axis
TP_TRY_MT06: Total (TRY Deposits)(Flow Data, %), Weighted Average Interest Rates for Deposits (Flow Data, %), Left Axis

Difficulties

Incorrect data

Missing data/lacking bank

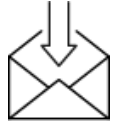
Backdate adjustment

Manual controls and manual transmission

Reflection of changes in the publication

Abbreviations

- **CBRT: Central Bank of The Republic of Türkiye**
- **BRSA: Banking Regulations and Supervision Agency**
- **EVDS: Electronic Data Delivery System**
- **FVTS: Financial Data Collection System**
- **EVAS: Electronic Data Transfer System**
- **TÜİK : Turkish Statistical Institute**
- **SME: Small and Medium Sized Enterprise**
- **KGF: Credit Guarantee Fund**
- **KOSGEB: SME Development Organization**



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