Profitability and Balance Sheet Management Cloud Services

Business Intelligence Analytics User Guide

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ORACLE
Financial Services

ORACLE

OFS Profitability and Balance Sheet Management Cloud Service BI Analytics User Guide

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Document Control

Version Number	Revision Date	Change Log
1.0	September 2022	Created and released the Oracle Financial Services Profitability and Balance Sheet Management Cloud Service Business Intelligence Analytics User Guide.

Table of Contents

1 Get Help 8

1.1 Get Help in the Applications 8

1.1.1 Additional Resources 8

1.2 Learn About Accessibility 8

1.3 Get Support 8

1.4 Get Training 8

1.5 Join Our Community 9

1.6 Share Your Feedback 9

1.7 Before You Begin 9

2 Introduction 10

3 Access BI Reports 11

4 Preparing Data using SQL Query Browser 12

5 Raw Data Analysis 17

5.1 Staging Instrument Data 19

5.1.1 Assets 20

5.1.2 Liabilities 20

5.1.3 Derivative Contracts 21

5.1.4 Fee Based Services 22

5.1.5 Loan Commitments 23

5.1.6 Off Balance Sheet Items 24

5.1.7 Ledger – Instruments 25

5.2 Staging Instrument Supplementary Data 26

5.2.1 Account Index History 26

5.2.2 Account Rate Tiers 27

5.2.3 Embedded Options Schedule 28

5.2.4 Payment Schedule 29

5.3 Staging Ledger Data 30

5.3.1 Management Ledger 31

5.3.2 Management Ledger01 31

5.3.3 Management Ledger02 ..... *32*
5.3.4 Management Ledger03 ..... *33*
5.3.5 Management Ledger04 ..... *34*
5.3.6 Management Ledger05 ..... *35*
5.4 Staging Transaction Summary Data 36
5.4.1 Asset Transaction Summary *36*
5.4.2 Liabilities Transaction Summary *37*
5.4.3 Fee Based Services Transaction Summary *38*
5.4.4 Off Balance Sheet Transaction Summary *39*
5.5 Processing Instrument Data 40
5.5.1 Assets *40*
5.5.2 Liabilities *41*
5.5.3 Derivative Contracts *42*
5.5.4 Fee Based Services *43*
5.5.5 Loan Commitments *44*
5.5.6 Off Balance Sheet Items *45*
5.5.7 Ledger – Instruments *46*
5.6 Processing Instrument Supplementary Data 47
5.6.1 Account Index History *47*
5.6.2 Account Rate Tiers *48*
5.6.3 Embedded Options Schedule *49*
5.6.4 Payment Schedule *50*
5.7 Processing Ledger Data 51
5.7.1 Management Ledger *52*
5.7.2 Management Ledger01 ..... *52*
5.7.3 Management Ledger02 ..... *53*
5.7.4 Management Ledger03 ..... *54*
5.7.5 Management Ledger04 ..... *55*
5.7.6 Management Ledger05 ..... *56*
5.8 Processing Transaction Summary Data 57
5.8.1 Asset Transaction Summary *57*
5.8.2 Liabilities Transaction Summary *58*
5.8.3 Fee Based Services Transaction Summary *59*

5.8.4 Off Balance Sheet Transaction Summary 60

6 Data Insights 62

6.1 PFT Data Insights 62

6.1.1 Report Common filters 62

6.1.2 Report Data Action 66

6.1.3 "1 - Incomes & Expenses" 68

6.1.4 "2 – Non-Interest Incomes" 69

6.1.5 "2.a – Fees" 71

6.1.6 "2.b - Charges and Commissions" 74

6.1.7 "3 - Non Interest Expenses" 75

6.1.8 "3.a - Other Non Interest Expenses" 78

6.1.9 "4 - Customer Account Details" 80

7 Processing Analytics 83

7.1 Allocation Performance Analysis 83

7.1.1 Multi-Period Analysis 83

7.1.2 Single Period Analysis 87

8 Processed Data Insights 92

8.1 Ad-hoc Data Analysis 92

8.1.1 Report filters 92

8.1.2 Report Hierarchies 95

8.1.3 Ad-hoc Analysis 95

8.2 Financial Statements Analysis 101

8.2.1 Report filters 101

8.2.2 Report Hierarchies 104

8.2.3 Report Data Action 104

8.2.4 Financial Statements - Outliers 105

8.2.5 Financial Statements - Trends 111

8.2.6 Financial Statements - Detail 113

8.2.7 Financial Statements - Org Units & Products 114

1 Get Help

Topics:

- Get Help
- Learn About Accessibility
- Get Support
- Get Training
- Join Our Community
- Share Your Feedback
- Before You Begin

1.1 Get Help in the Applications

Use help icons to access help in the application.

Note that not all pages have help icons. You can also access the Oracle Help Center to find guides and videos.

1.1.1 Additional Resources

- Community: Use Oracle Cloud Customer Connect to get information from experts at Oracle, the partner community, and other users.
- Training: Take courses on Oracle Cloud from Oracle University.

1.2 Learn About Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program. Videos included in this guide are provided as a media alternative for text-based topics also available in this guide.

1.3 Get Support

You can get support at My Oracle Support.

For accessible support, visit Oracle Accessibility Learning and Support.

1.4 Get Training

Increase your knowledge of Oracle Cloud by taking courses at Oracle University.

1.5 Join Our Community

Use Cloud Customer Connect to get information from industry experts at Oracle and in the partner community. You can join forums to connect with other customers, post questions, and watch events.

1.6 Share Your Feedback

We welcome your feedback about Oracle Applications user assistance. If you need clarification, find an error, or just want to tell us what you found helpful, we'd like to hear from you.

You can email your feedback to My Oracle Support.

Thanks for helping us improve our user assistance!

1.7 Before You Begin

See the following Documents:

- See What's New
- Get started with Profitability and Balance Sheet Management Cloud Service
- Take a quick tour

2 Introduction

Profitability and Balance Sheet Planning Cloud Service (PBSM) Analytics User Guide describes the features and functions of PBSM's Analytics is intended for the use of Administrators, Analysts, Reporting Analysts, and Administrators.

Profitability and Balance Sheet Management (PBSM) Could Service utilizes the power of Oracle Analytics to generate the Business Intelligence Reports.

Oracle Analytics is a scalable and secure Oracle Cloud Service that provides a full set of capabilities to explore and perform collaborative analytics for you, your workgroup, and your enterprise.

With Oracle Analytics Cloud, you also get flexible Service Management capabilities, including fast setup, easy scaling and patching, and automated lifecycle management.

For more information, see the Oracle Analytics Cloud documentation.

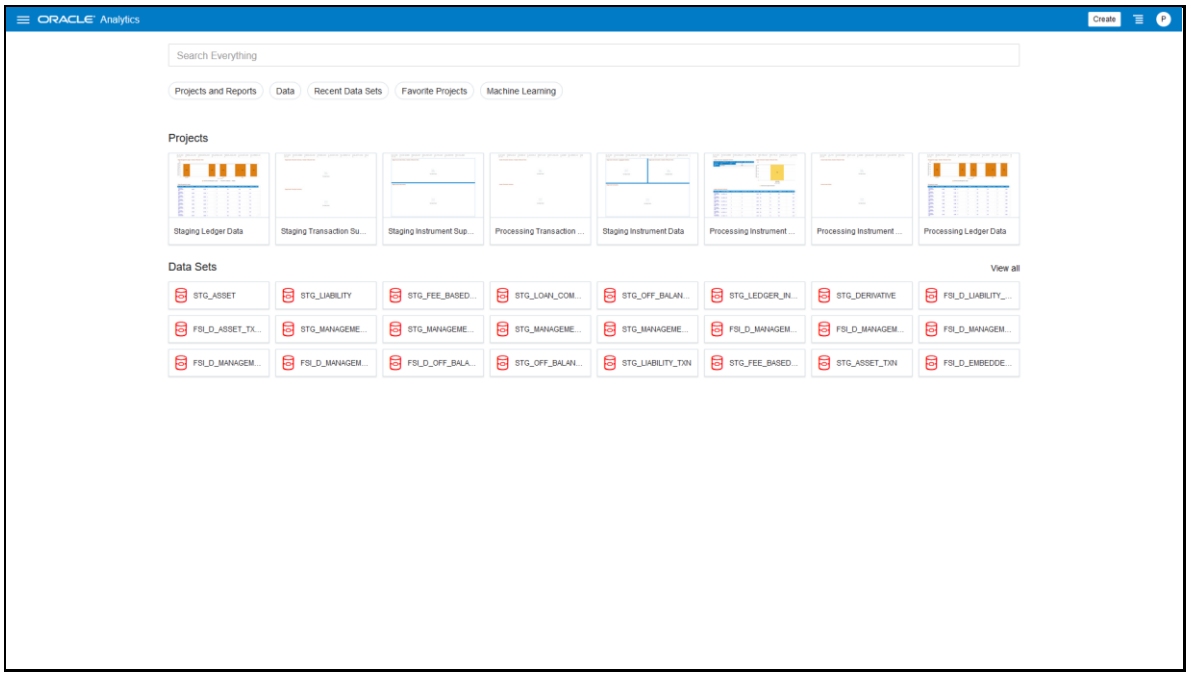
3 Access BI Reports

This section describes the steps to access the Business Intelligence (BI) Reports.

To access the Oracle Financial Services Profitability Management Cloud Service BI Reports, follow these steps:

1. From the LHS Menu, select **Analytics**, and then select **Home Page**.

Figure 1: Analytics Home Page



4 Preparing Data using SQL Query Browser

Data Sets are self-service Data Models that you build specifically for your Data Visualization and Analysis requirements.

A Data Set can be based on one Table, Spreadsheet, or a File. Alternatively, a Data Set can be a self-service Data Model that contains multiple Tables with relationships defined between the Tables.

A Data Set contains Data Source Connection Information, Tables, the Columns you specify, and the Data Enrichments, and Transformations that you apply.

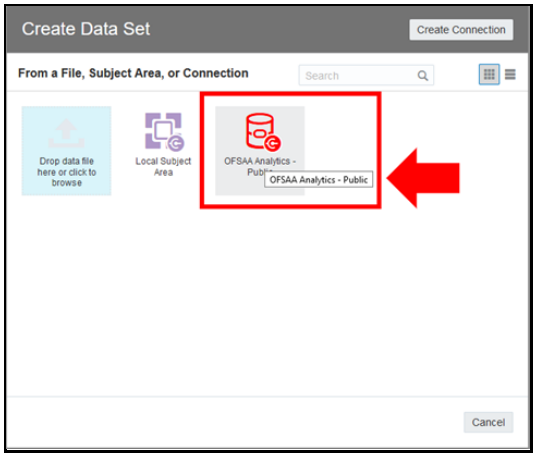
For more information, see Visualizing Data and Building Reports in Oracle Analytics Cloud.

To access the SQL Query Browser and prepare Data, follow these steps:

1. From the LHS Menu, select **Analytics**, and then select **SQL Query Browser**.

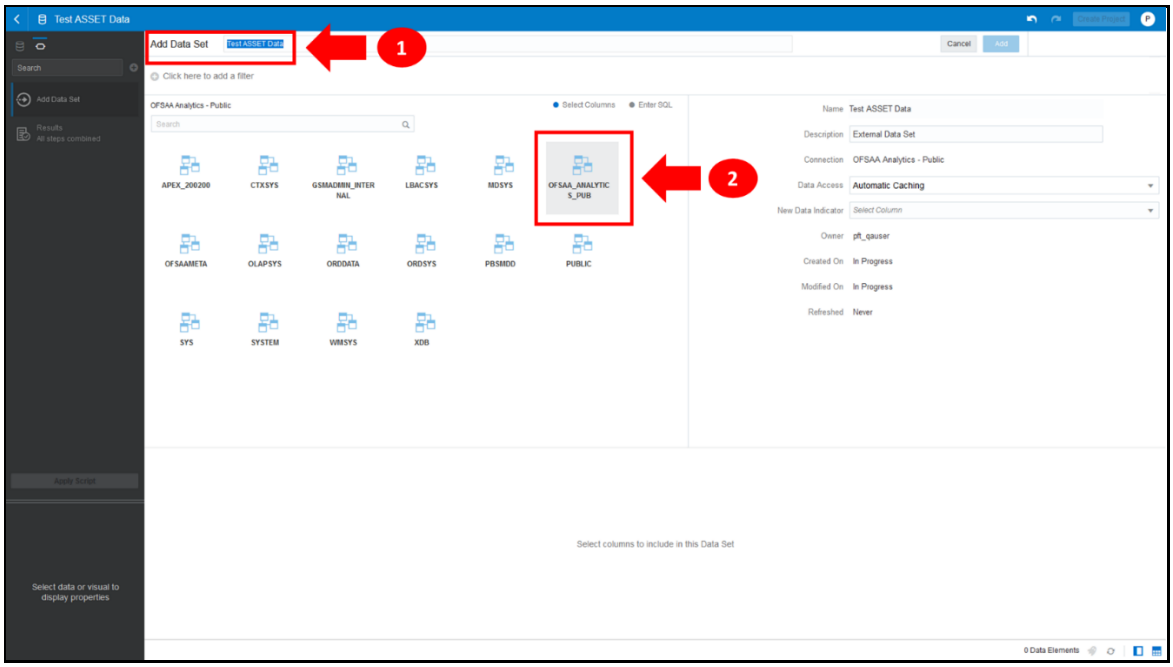
   The SQL Query Browser allows you to use an existing Database Connector named OFSAA Analytics – Public to interact with the underlying available Database Structures.

Figure 2: Create Data Set Screen



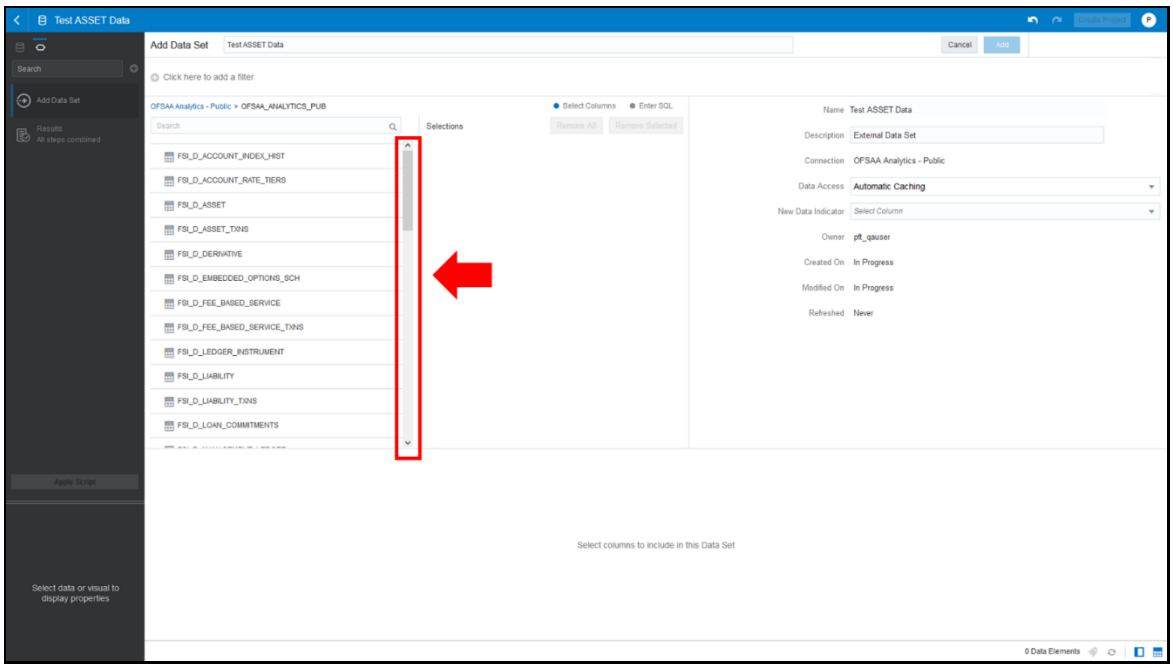
2. After selecting the Database Connector, you must select the Database Schema named OFSAA_ANALYTICS_PUB to proceed to the next step of Database Object Selection.

Figure 3: Add Data Set



3. Provide a meaningful name to the Data Set, which will be generated from this process and be used for the SQL Query Analysis.
4. You can search for a Database Object from the available options. You can either scroll down or search the Database Objects displayed in alphabetical order.

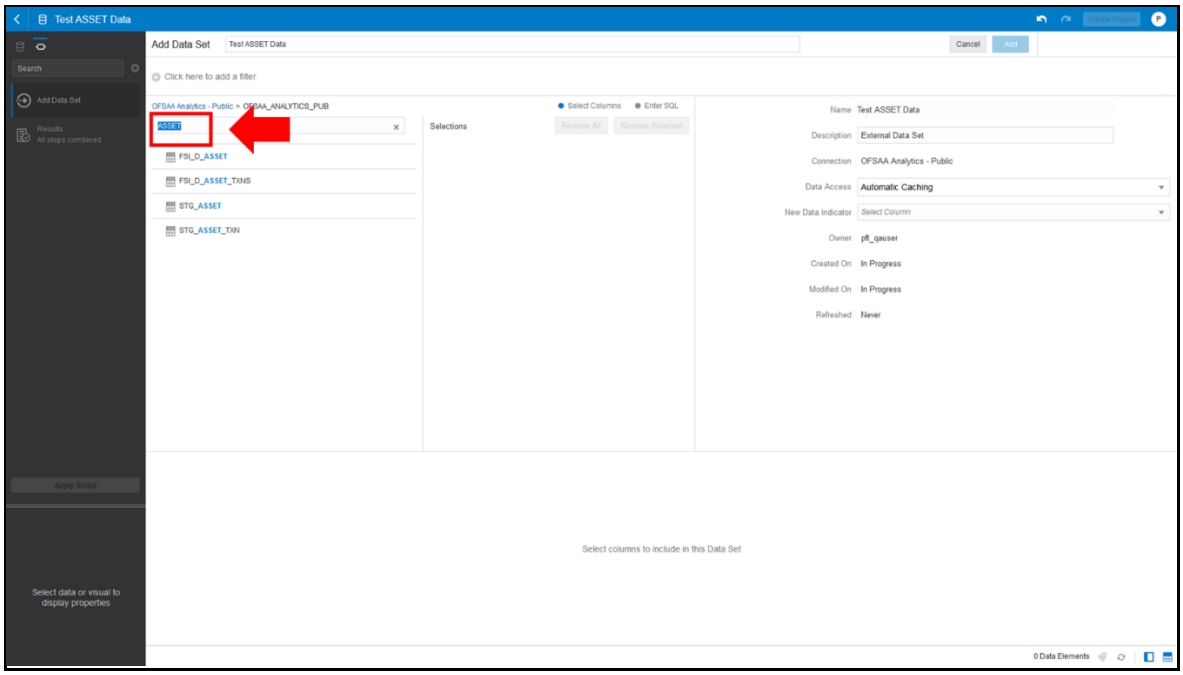
Figure 4: Add Data Set – Search from the List



Or

Type the Database Object Name to filter the list with Description.

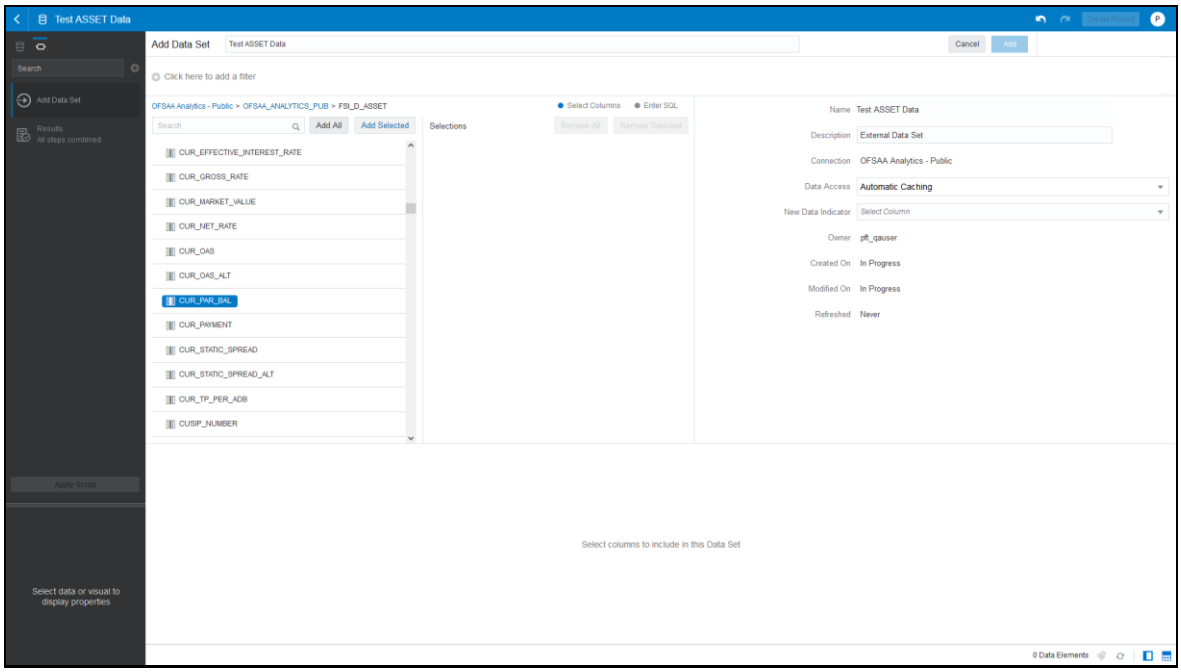
Figure 5: Add Data Set – Search by Name



After you select the Object that want, you can proceed to the next step.

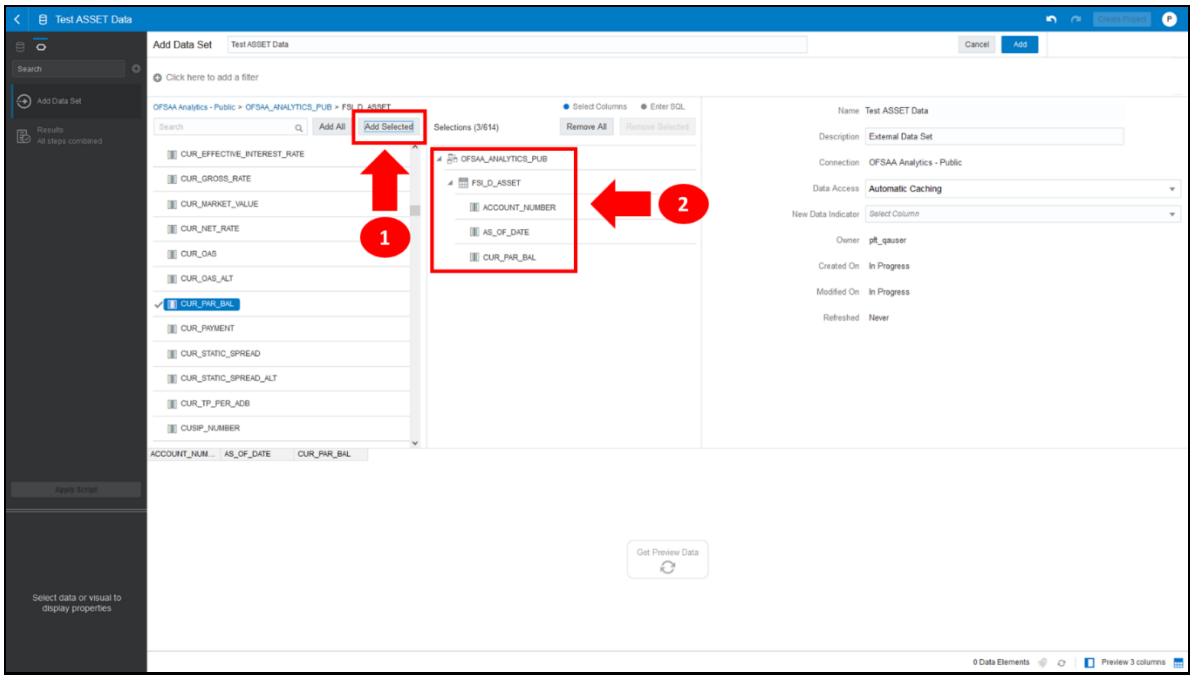
5. You search the Columns that are available for the selected Database Object by scrolling.

Figure 6: Add Data Set – Search Columns



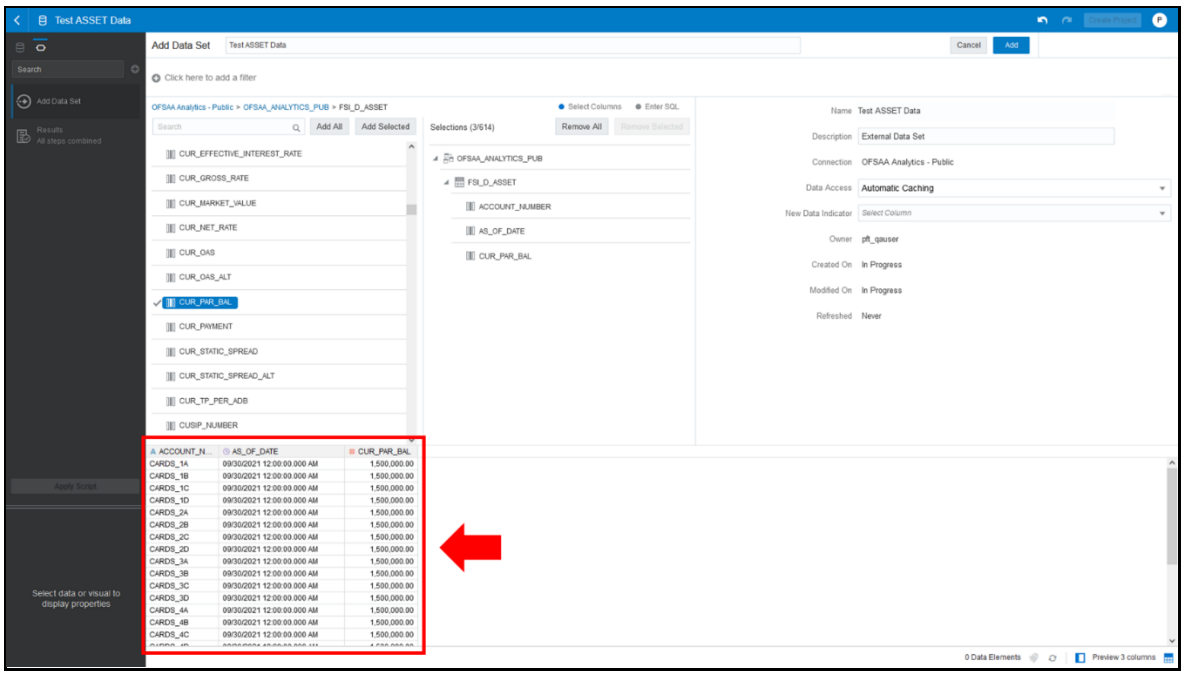
6. Add the Database Object Column as required.

Figure 7: Add Data Set – Adding the Database Object Column



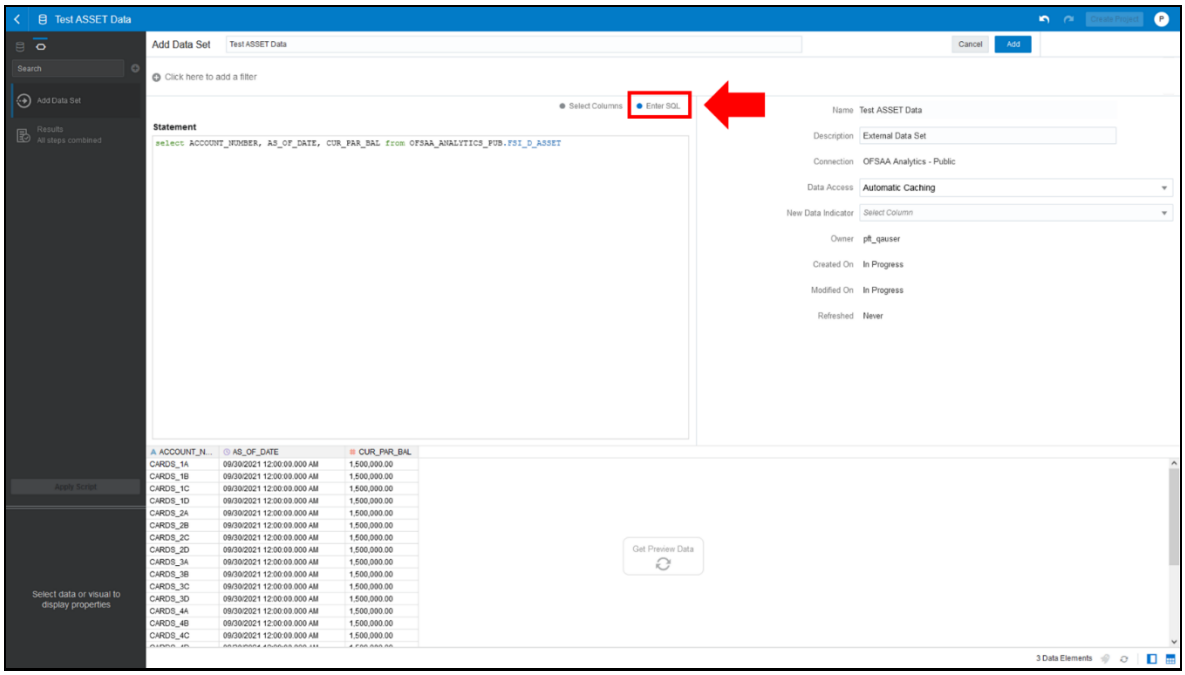
7. Click Get Preview Data to display the retrieved Data Results.

Figure 8: Data Results



8. In addition, you can switch to the **Enter SQL** Pane Editor. You can change the auto-generated SQL Query at any time and click **Get Preview Data** to retrieve the results based on the modified SQL Query.

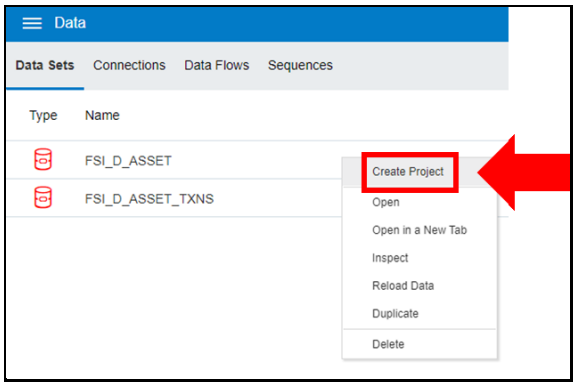
Figure 9: Data Results based on modified SQL Query



9. Click **Add** to save the SQL Data.
10. Click **Data** on the LHS Menu and click **Data Sets** to display the available Data Sets for usage.

    These Data Sets can be used at any time to create the ad-hoc analysis leveraging the Oracle Analytics tool's capabilities.
11. Right-click on the Data Set name to display the options as shown:

Figure 10: Data Set Options



12. In the menu that is displayed, click **Create Project**.

5 Raw Data Analysis

To access the Raw Data Analysis Screen, from the LHS Menu, select **Analytics**, and then select **Raw Data Analysis**.

The following table lists the Raw Data Analysis Reports. You can select any report that you want.

Table 1: Raw Data Analysis Reports

Report Name	Scope	Table Layer	Physical Table List	Logical Table List	Report Canvas Name
Staging Instrument Data	Instrument	STG Staging	STG_ASSET STG_LIABILITY STG_DERIVATIVE STG_FEE_BASED_SERVICE STG_LOAN_COMMITMENTS STG_OFF_BALANCE_SHEET STG_LEDGER_INSTRUMENT	Stage Asset Instruments Stage Liability Instruments Stage Derivative Contracts Stage Fee Based and Other Services Stage Loan Commitments Stage Off Balance Sheet Contracts Stage Ledger Instrument	Assets Liabilities Derivative Contracts Fee Based Services Loan Commitments Off Balance Sheet Items Ledger - Instruments
Staging Instrument Supplementary Data	Instrument Supplementary	STG Staging	STG_ACCOUNT_INDEX_HIST STG_ACCOUNT_RATE_TIERS STG_EMBEDDED_OPTIONS_SCH STG_PAYMENT_SCHEDULE	Stage Account Index History Stage Account Rate Tiers Stage Embedded Options Schedule Stage Payment Schedule	Account Index History Account Rate Tiers Embedded Options Schedule Payment Schedule
Staging Ledger Data	Ledger	STG Staging	STG_MANAGEMENT_LEDGER STG_MANAGEMENT_LEDGER_01 STG_MANAGEMENT_LEDGER_02 STG_MANAGEMENT_LEDGER_03 STG_MANAGEMENT_LEDGER_04 STG_MANAGEMENT_LEDGER_05	Stage Management Ledger Stage Placeholder Management Ledger 01 Stage Placeholder Management Ledger 02 Stage Placeholder Management Ledger 03 Stage Placeholder Management Ledger 04 Stage Placeholder Management Ledger 05	Management Ledger Management Ledger 01 Management Ledger 02 Management Ledger 03 Management Ledger 04 Management Ledger 05

Report Name	Scope	Table Layer	Physical Table List	Logical Table List	Report Canvas Name
Staging Transaction Summary Data	Transaction Summary	STG Staging	STG_ASSET_TXN STG_LIABILITY_TXN STG_FEE_BASED_SERVICE_TXN STG_OFF_BALANCE_SHEET_TXN	Stage Asset Transaction Summary Stage Liability Transaction Summary Stage Fee Based and Other Services Transaction Summary Stage Off Balance Sheet Transaction Summary	Assets Transaction Summary Liabilities Transaction Summary Fee Based Services Transaction Summary Off Balance Sheet Transaction Summary
Processing Instrument Data	Instrument	FSI Processing	FSI_D_ASSET FSI_D_LIABILITY FSI_D_DERIVATIVE FSI_D_FEE_BASED_SERVICE FSI_D_LOAN_COMMITMENTS FSI_D_OFF_BALANCE_SHEET FSI_D_LEDGER_INSTRUMENT	Asset Instruments Liability Instruments Derivative Contracts Fee Based and Other Services Loan Commitments Off Balance Sheet Contracts Ledger Instrument	Assets Liabilities Derivative Contracts Fee Based Services Loan Commitments Off Balance Sheet Items Ledger Instruments
Processing Instrument Supplementary Data	Instrument Supplementary	FSI Processing	FSI_D_ACCOUNT_INDEX_HIST FSI_D_ACCOUNT_RATE_TIERS FSI_D_EMBEDDED_OPTIONS_SCH FSI_D_PAYMENT_SCHEDULE	Account Index History Account Rate Tiers Embedded Options Schedule Payment Schedule	Account Index History Account Rate Tiers Embedded Options Schedule Payment Schedule
Processing Ledger Data	Ledger	FSI Processing	FSI_D_MANAGEMENT_LEDGER FSI_D_MANAGEMENT_LEDGER_01 FSI_D_MANAGEMENT_LEDGER_02 FSI_D_MANAGEMENT_LEDGER_03 FSI_D_MANAGEMENT_LEDGER_04 FSI_D_MANAGEMENT_LEDGER_05	Management Ledger Placeholder Management Ledger 01 Placeholder Management Ledger 02 Placeholder Management Ledger 03 Placeholder Management Ledger 04 Placeholder Management Ledger 05	Management Ledger Management Ledger 01 Management Ledger 02 Management Ledger 03 Management Ledger 04 Management Ledger 05

Report Name	Scope	Table Layer	Physical Table List	Logical Table List	Report Canvas Name
Processing Transaction Summary Data	Transaction Summary	FSI Processing	FSI_D_ASSET_TXNS FSI_D_LIABILITY_TXNS FSI_D_FEE_BASED_SERVICE_TXNS FSI_D_OFF_BALANCE_SHEET_TXNS	Asset Transaction Summary Liability Transaction Summary Fee Based and Other Services Transaction Summary Off Balance Sheet Transaction Summary	Assets Transaction Summary Liabilities Transaction Summary Fee Based Services Transaction Summary Off Balance Sheet Transaction Summary

5.1 Staging Instrument Data

You can use this report to perform the analysis on the Staging Area Tables related to Instrument Data. The report contains specifically the following Staging Database Objects:

Table 2: Staging Instrument Data Reports

Report Name	Scope	Table Layer	Physical Table List	Logical Table List	Report Canvas Name
Staging Instrument Data	Instrument	STG-Staging	STG_ASSET STG_LIABILITY STG_DERIVATIVE STG_FEE_BASED_SERVICE STG_LOAN_COMMITMENTS STG_OFF_BALANCE_SHEET STG_LEDGER_INSTRUMENT	Stage Asset Instruments Stage Liability Instruments Stage Derivative Contracts Stage Fee Based and Other Services Stage Loan Commitments Stage Off Balance Sheet Contracts Stage Ledger Instrument	Assets Liabilities Derivative Contracts Fee Based Services Loan Commitments Off Balance Sheet Items Ledger - Instruments

5.1.1 Assets

The Assets Report provides the Analysis Capability on the Stage Asset Instrument Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

- Stage Asset Instruments - Aggregated Statistics

  Aggregation for CUR_PAR_BAL (sum), ORG_PAR_BAL (sum) and CUR_NET_RATE (avg) by AS_OF_DATE, ISO_CURRENCY_CD and PRODUCT_CODE.

  In addition, for CUR_NET_RATE, the Additional Balance Weighted Rate, WAVG_CUR_NET_RATE_ASSET, is calculated as the Weighted AVG by CUR_PAR_BAL.

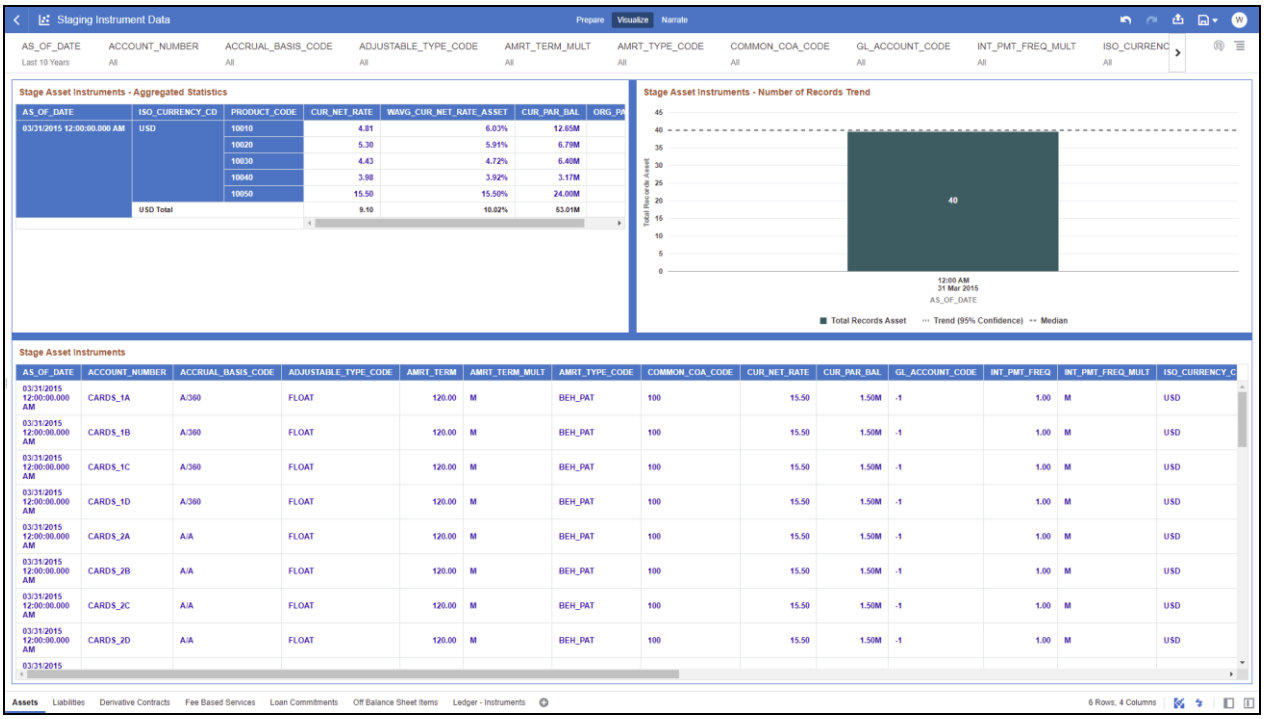
- Stage Asset Instruments - Number of Records Trend

  Total Records Asset aggregated by AS_OF_DATE.

- Stage Asset Instruments

  Granular table records at ACCOUNT_NUMBER level.

Figure 11: Stage Instrument Data - Assets



5.1.2 Liabilities

The Liabilities Report provides the Analysis Capability on the Stage Liability Instrument Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

- Stage Liability Instruments - Aggregated Statistics

  Aggregation for CUR_PAR_BAL (sum), ORG_PAR_BAL (sum) and CUR_NET_RATE (avg) by AS_OF_DATE, ISO_CURRENCY_CD and PRODUCT_CODE.

  In addition, for CUR_NET_RATE, the additional Balance Weighted Rate, WAVG_CUR_NET_RATE_LIABILITY, is calculated as the Weighted AVG by CUR_PAR_BAL.

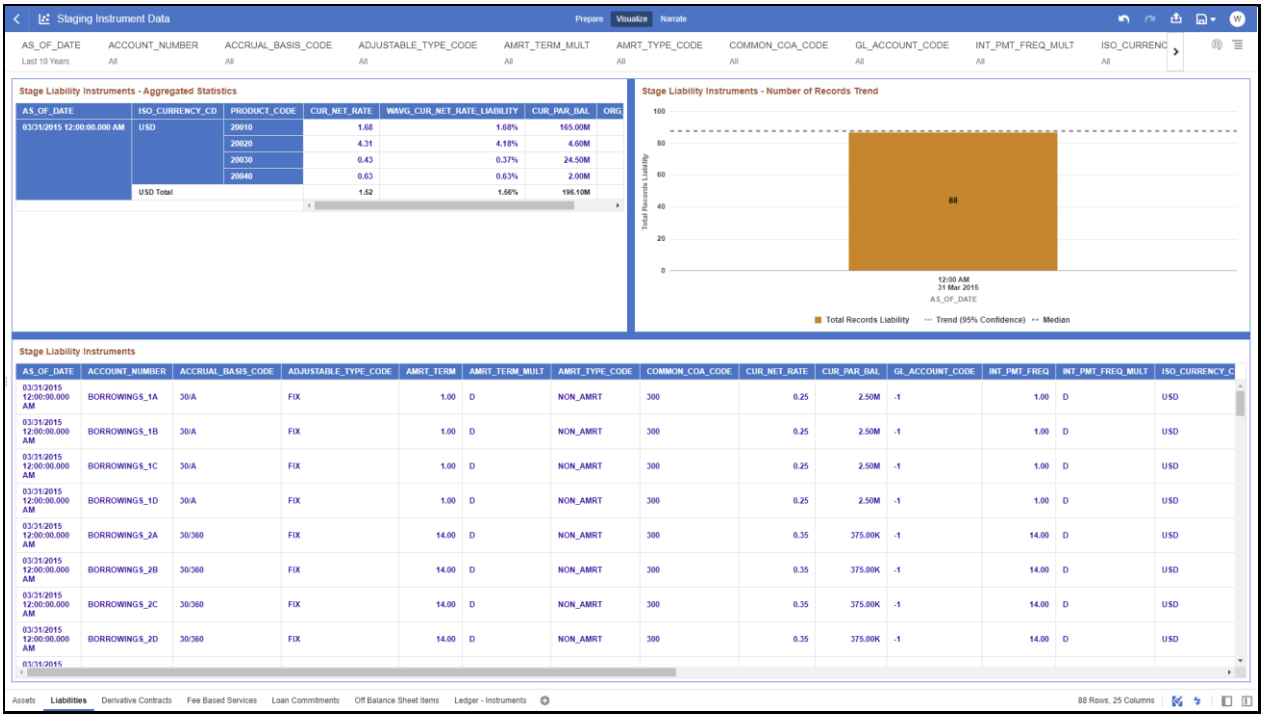
- Stage Liability Instruments - Number of Records Trend

  Total Records Liability aggregated by AS_OF_DATE.

- Stage Liability Instruments

  Granular table records at ACCOUNT_NUMBER level.

Figure 12: Staging Instrument Data - Liabilities



5.1.3 Derivative Contracts

The Derivative Contracts Report provides the Analysis Capability on the Stage Derivative Contracts Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

- Stage Derivative Contracts (Payment) - Aggregated Statistics

  Aggregation for CUR_PAR_BAL_PAY (sum), ORG_PAR_BAL_PAY (sum) and CUR_NET_RATE_PAY (avg) by AS_OF_DATE, ISO_CURRENCY_CD_PAY and PRODUCT_CODE.

In addition, for CUR_NET_RATE, the additional Balance Weighted Rate, WAVG_CUR_NET_RATE_PAY_DERIVATIVE, is calculated as the Weighted AVG by CUR_PAR_BAL_PAY.

- Stage Derivative Contracts (Receive) - Aggregated Statistics

  Aggregation for CUR_PAR_BAL_RCV (sum), ORG_PAR_BAL_RCV (sum) and CUR_NET_RATE_RCV (avg) by AS_OF_DATE, ISO_CURRENCY_CD_RCV and PRODUCT_CODE.

  In addition, for CUR_NET_RATE, the additional Balance Weighted Rate, WAVG_CUR_NET_RATE_RCV_DERIVATIVE, is calculated as the Weighted AVG by CUR_PAR_BAL_RCV.

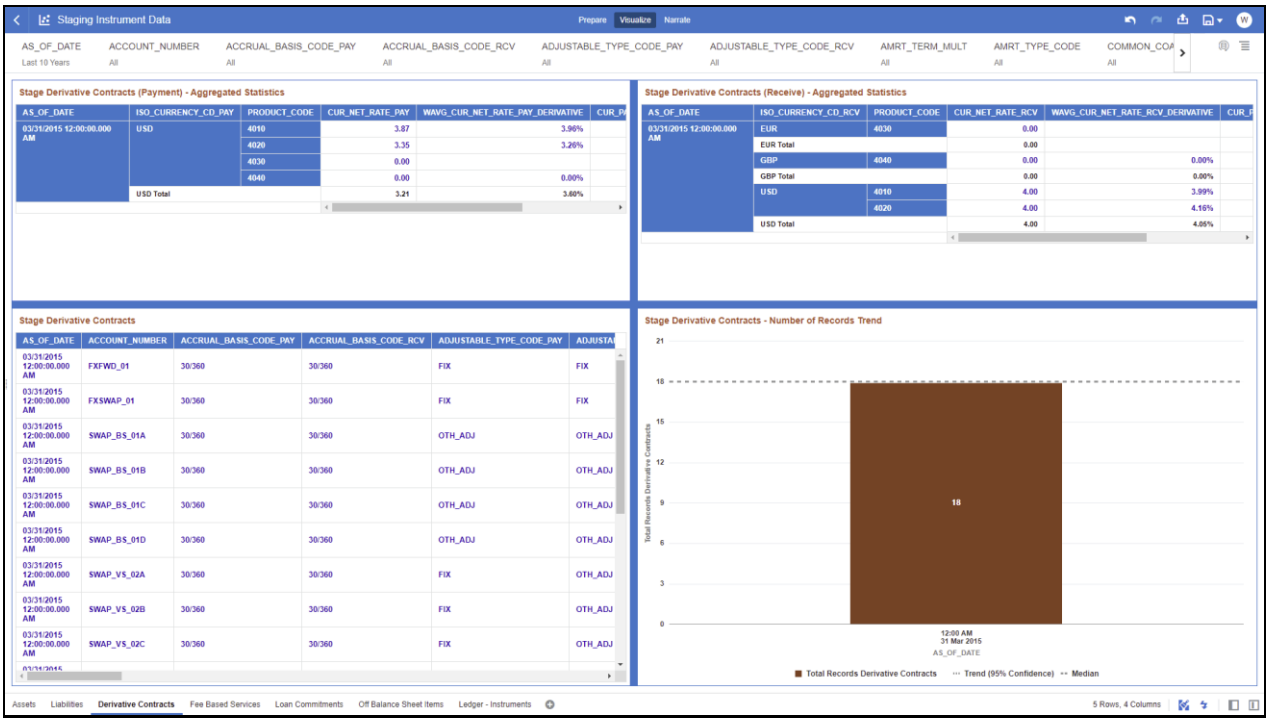
- Stage Derivative Contracts - Number of Records Trend

  Total Records Derivative Contracts aggregated by AS_OF_DATE.

- Stage Derivative Contracts

  Granular table records at ACCOUNT_NUMBER level.

Figure 13: Staging Instrument Data – Derivative Contracts



5.1.4 Fee Based Services

The Fee Based Services Report provides the Analysis Capability on the Stage Fee Based and Other Services Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

- Stage Fee Based Services - Aggregated Statistics

  Aggregation for CUR_PAR_BAL (sum), ORG_PAR_BAL (sum) and CUR_NET_RATE (avg) by AS_OF_DATE, ISO_CURRENCY_CD and PRODUCT_CODE.

  In addition, for CUR_NET_RATE, the additional Balance Weighted Rate, WAVG_CUR_NET_RATE_FEE_BASED, is calculated as the Weighted AVG by CUR_PAR_BAL.

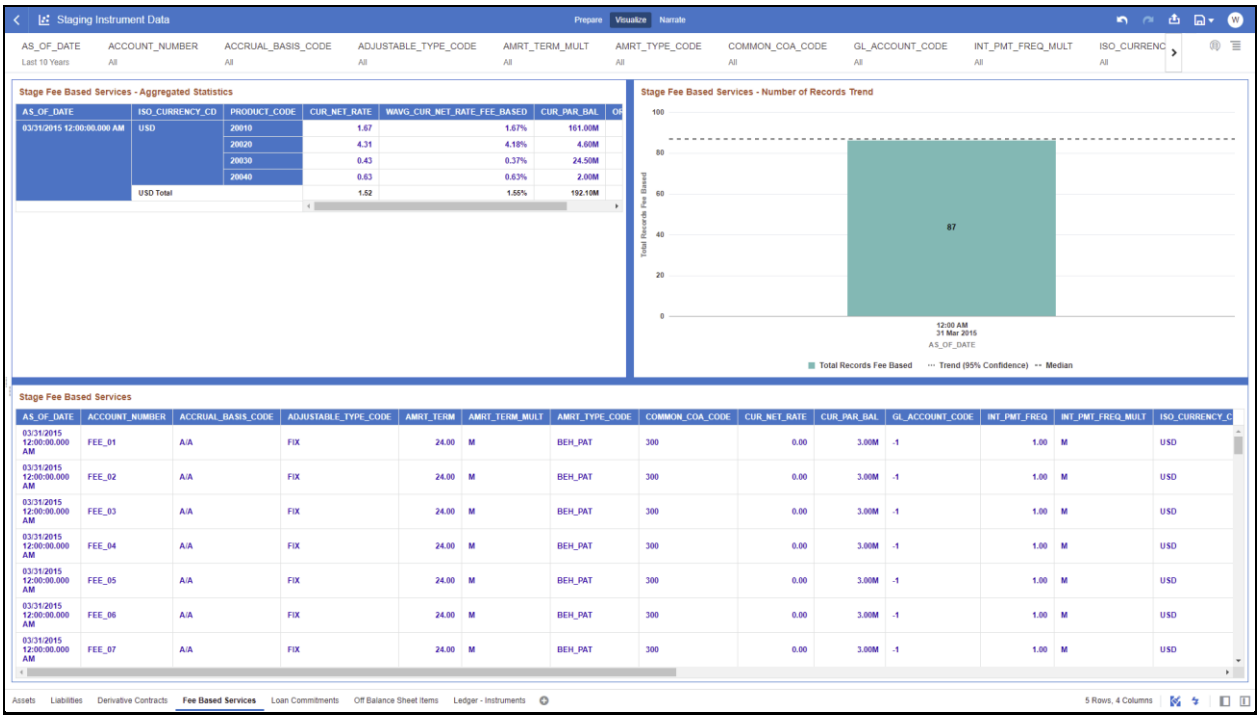
- Stage Fee Based Services - Number of Records Trend

  Total Records Fee Based aggregated by AS_OF_DATE.

- Stage Fee Based Services

  Granular table records at ACCOUNT_NUMBER level.

Figure 14: Staging Instrument Data – Fee Based Services



5.1.5 Loan Commitments

The Loan Commitments Report provides the Analysis Capability on the Stage Loan Commitments Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

- Stage Loan Commitments - Aggregated Statistics

  Aggregation for CUR_PAR_BAL (sum), ORG_PAR_BAL (sum) and CUR_NET_RATE (avg) by AS_OF_DATE, ISO_CURRENCY_CD and PRODUCT_CODE.

In addition, for CUR_NET_RATE, the additional Balance Weighted Rate, WAVG_CUR_NET_RATE_LOAN_COMMITMENTS, is calculated as the Weighted AVG by CUR_PAR_BAL.

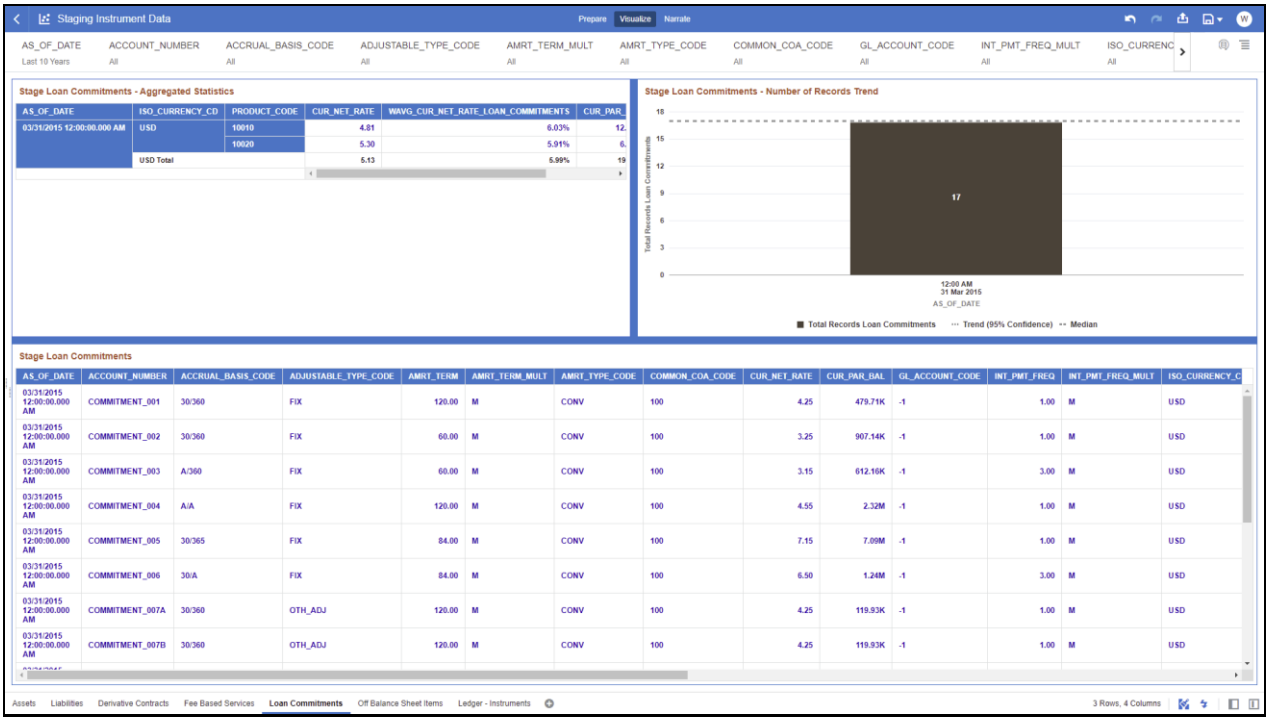
- Stage Loan Commitments - Number of Records Trend

  Total Records Loan Commitments aggregated by AS_OF_DATE.

- Stage Loan Commitments

  Granular table records at ACCOUNT_NUMBER level.

Figure 15: Staging Instrument Data – Loan Commitments



5.1.6 Off Balance Sheet Items

The Off Balance Sheet Items Report provides the analysis capability on the Stage off Balance Sheet Contracts Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

- Stage Off Balance Sheet Contracts - Aggregated Statistics

  Aggregation for CUR_PAR_BAL (sum), ORG_PAR_BAL (sum) and CUR_NET_RATE (avg) by AS_OF_DATE, ISO_CURRENCY_CD and PRODUCT_CODE.

  In addition, for CUR_NET_RATE, the additional Balance Weighted Rate, WAVG_CUR_NET_RATE_OFF_BALANCE_SHEET, is calculated as the Weighted AVG by CUR_PAR_BAL.

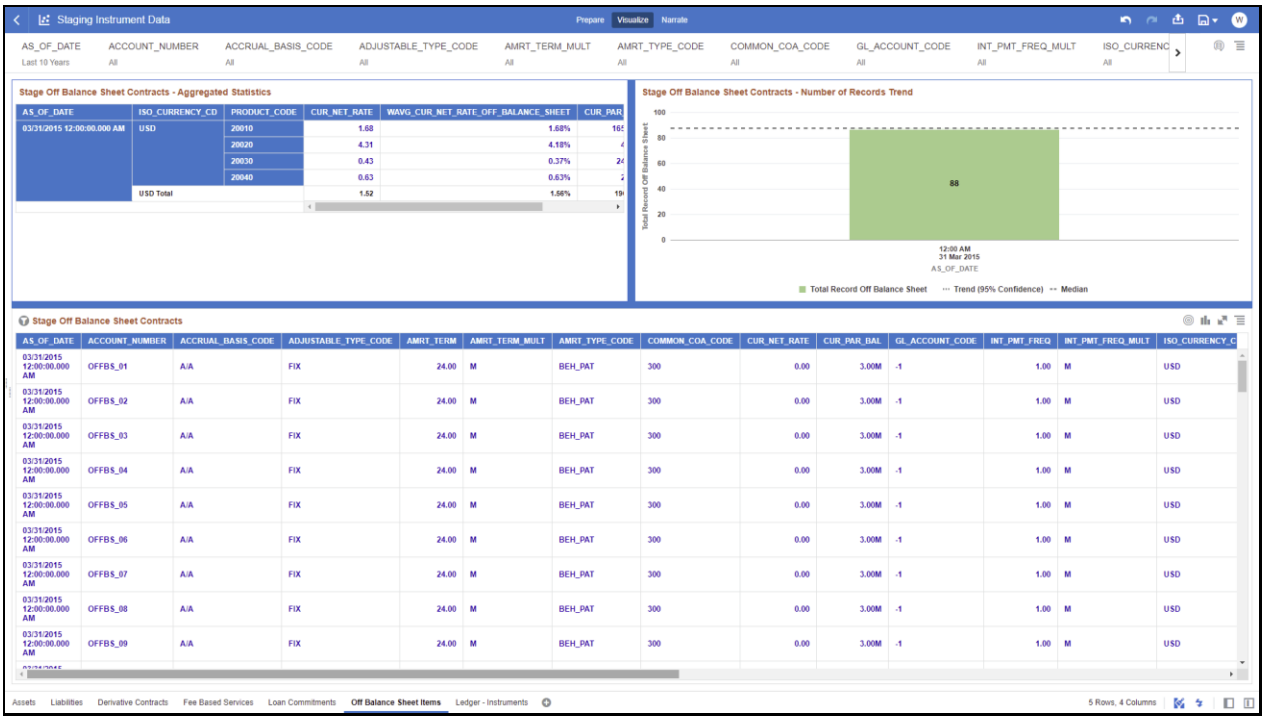
- Stage Off Balance Sheet Contracts - Number of Records Trend

  Total Record off Balance Sheet aggregated by AS_OF_DATE.

- Stage Off Balance Sheet Contracts

  Granular table records at ACCOUNT_NUMBER level.

Figure 16: Staging Instrument Data – Off Balance Sheet Items



5.1.7 Ledger – Instruments

The Ledger – Instrument Report provides the analysis capability on the Stage Ledger Instrument Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

- Stage Ledger Instrument - Aggregated Statistics

  Aggregation for CUR_PAR_BAL (sum), ORG_PAR_BAL (sum) and CUR_NET_RATE (avg) by AS_OF_DATE, ISO_CURRENCY_CD and PRODUCT_CODE.

  In addition, for CUR_NET_RATE, the additional Balance Weighted Rate, WAVG_CUR_NET_RATE_LEDGER_INSTRUMENTS, is calculated as the Weighted AVG by CUR_PAR_BAL.

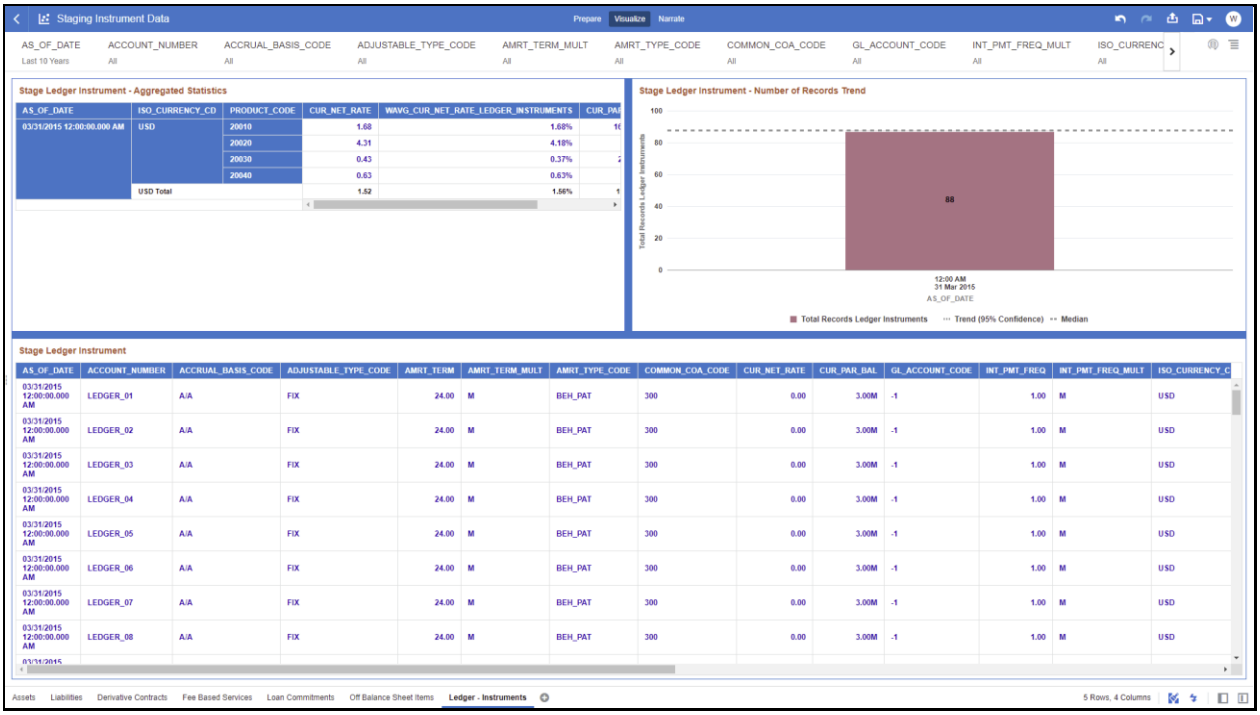
- Stage Ledger Instrument - Number of Records Trend

  Total Records Ledger Instruments aggregated by AS_OF_DATE.

- Stage Ledger Instrument

  Granular table records at ACCOUNT_NUMBER level.

Figure 17: Staging Instrument Data – Ledger - Instruments



5.2 Staging Instrument Supplementary Data

You can use the Staging Instrument Supplementary Data Report to perform the analysis on the Staging Area Tables related to Instrument Supplementary Data. The report contains specifically the following Staging Database Objects:

Table 3: Staging Instrument Data Reports

Report Name	Scope	Table Layer	Physical Table List	Logical Table List	Report Canvas Name
Staging Instrument Supplementary Data	Instrument Supplementary	STG-Staging	STG_ACCOUNT_INDEX_HIST STG_ACCOUNT_RATE_TIERS STG_EMBEDDED_OPTIONS_SCH STG_PAYMENT_SCHEDULE	Stage Account Index History Stage Account Rate Tiers Stage Embedded Options Schedule Stage Payment Schedule	Account Index History Account Rate Tiers Embedded Options Schedule Payment Schedule

5.2.1 Account Index History

The Account Index History Report provides the analysis capability on the Stage Account Index History Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

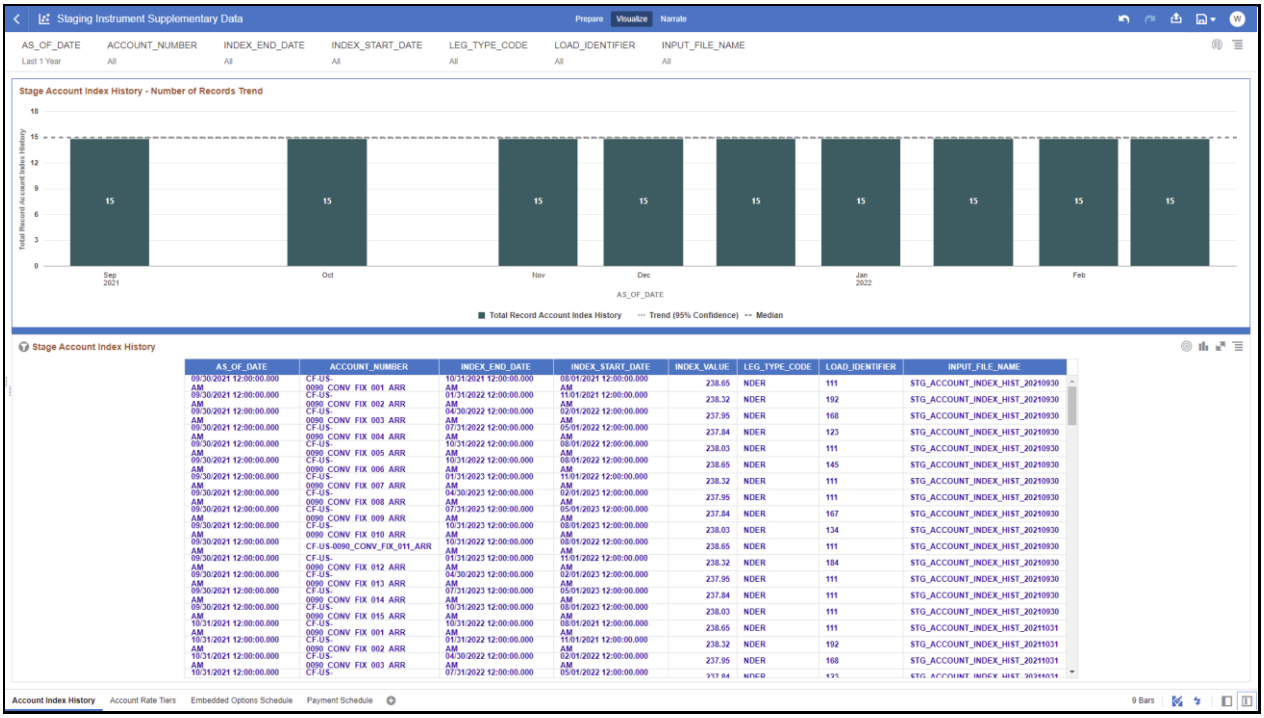
- Stage Account Index History - Number of Records Trend

  Total Records Account Index History aggregated by AS_OF_DATE.

- Stage Account Index History

  Granular table records at ACCOUNT_NUMBER level.

Figure 18: Staging Instrument Supplementary Data – Account Index History



5.2.2 Account Rate Tiers

The Account Rate Tiers Report provides the analysis capability on the Stage Account Rate Tiers Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

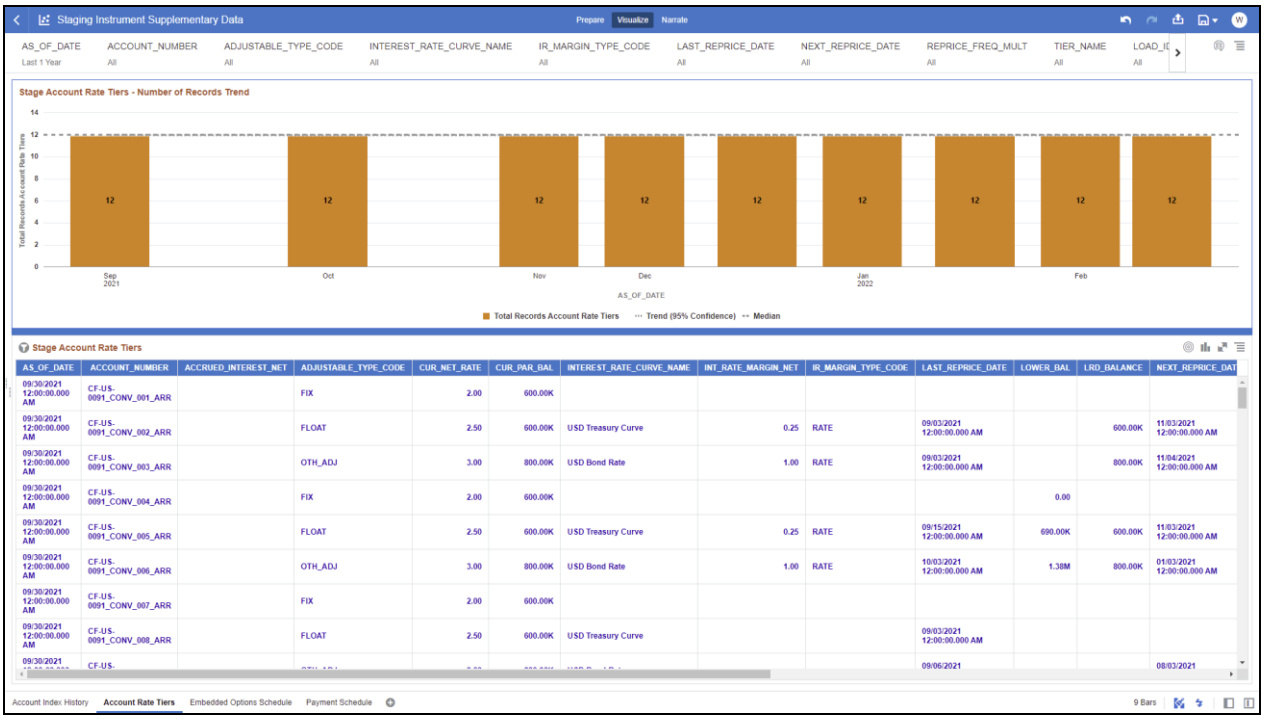
- Stage Account Rate Tiers - Number of Records Trend

  Total Records Account Rate Tiers aggregated by AS_OF_DATE.

- Stage Account Rate Tiers

  Granular table records at ACCOUNT_NUMBER level.

Figure 19: Staging Instrument Supplementary Data – Account Rate Tiers



5.2.3 Embedded Options Schedule

The Embedded Options Schedule Report provides the analysis capability on the Stage Embedded Options Schedule Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

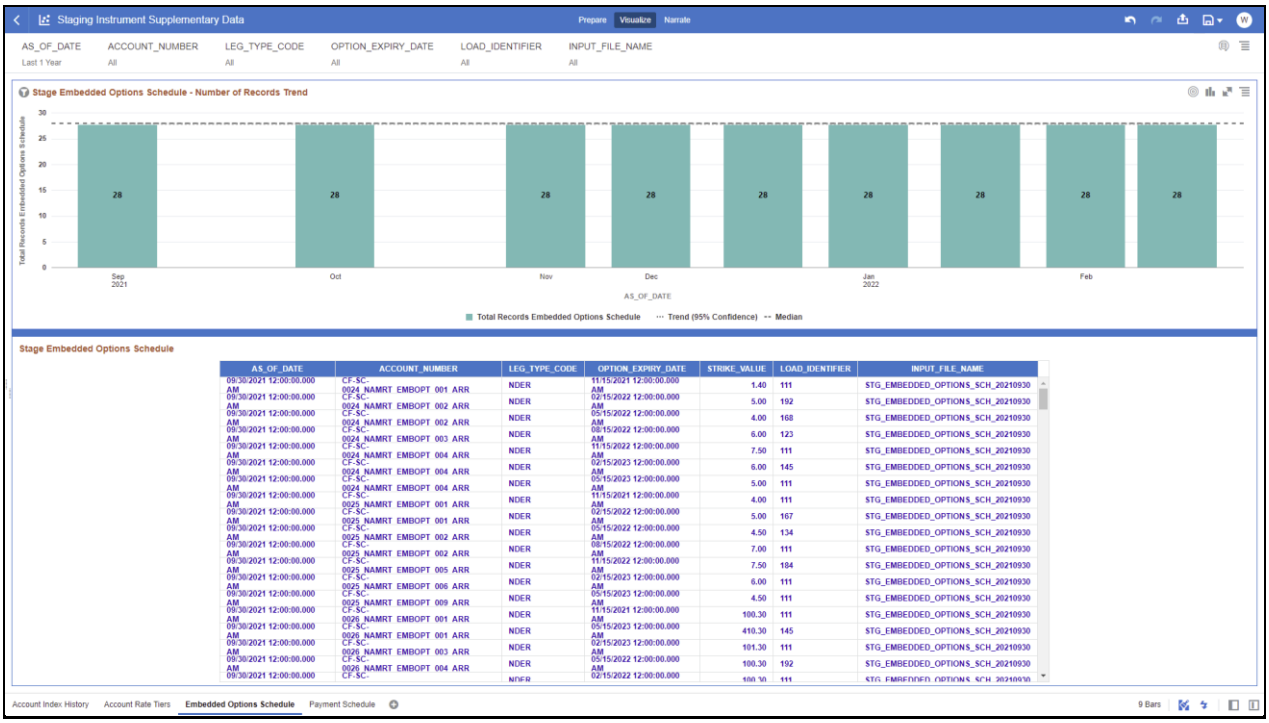
- Stage Embedded Options Schedule - Number of Records Trend

  Total Records Embedded Options Schedule aggregated by AS_OF_DATE.

- Stage Embedded Options Schedule

  Granular table records at ACCOUNT_NUMBER level.

Figure 20: Staging Instrument Supplementary Data – Embedded Options Schedule



5.2.4 Payment Schedule

The Payment Schedule Report provides the analysis capability on the Stage Payment Schedule Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

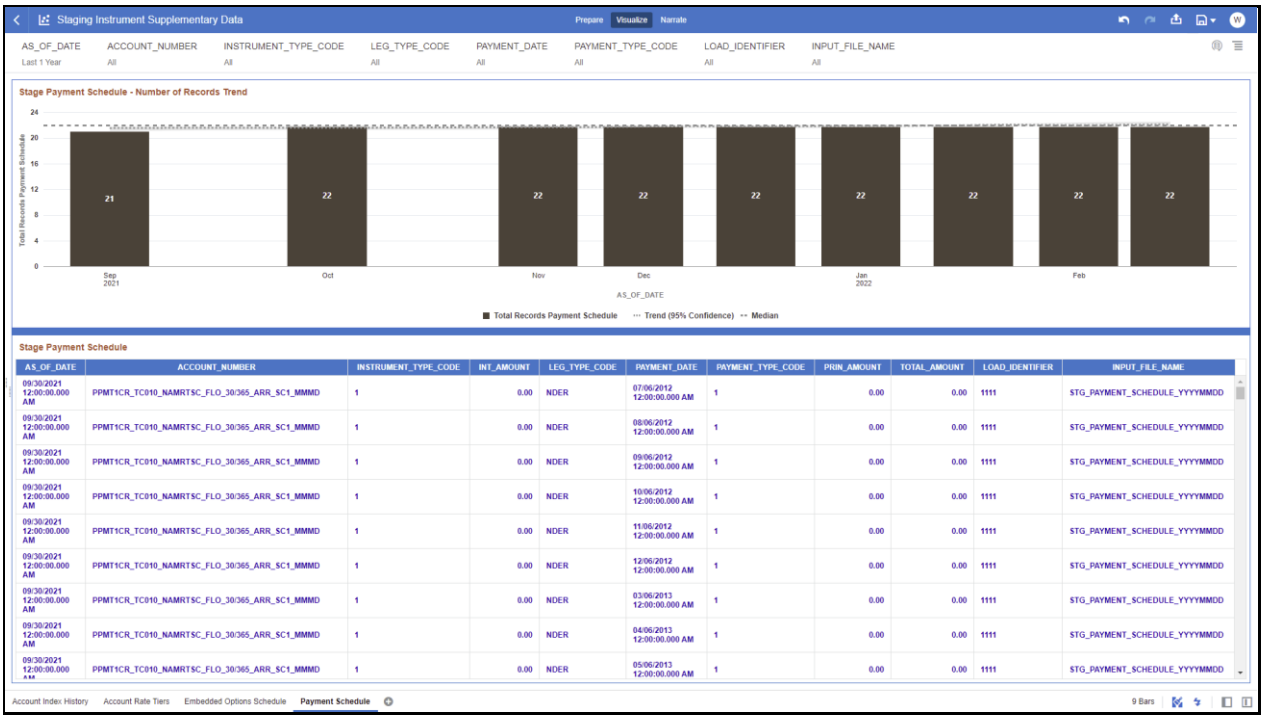
- Stage Payment Schedule - Number of Records Trend

  Total Records Payment Schedule aggregated by AS_OF_DATE.

- Stage Payment Schedule

  Granular table records at ACCOUNT_NUMBER level.

Figure 21: Staging Instrument Supplementary Data – Payment Schedule



5.3 Staging Ledger Data

You can use this report to perform the analysis on the Staging Area Tables related to Ledger Data. The report contains specifically the following Staging Database Objects:

Table 4: Staging Ledger Data Reports

Report Name	Scope	Table Layer	Physical Table List	Logical Table List	Report Canvas Name
Staging Ledger Data	Ledger	STG-Staging	STG_MANAGEMENT_LEDGER STG_MANAGEMENT_LEDGER_01 STG_MANAGEMENT_LEDGER_02 STG_MANAGEMENT_LEDGER_03 STG_MANAGEMENT_LEDGER_04 STG_MANAGEMENT_LEDGER_05	Stage Management Ledger Stage Placeholder Management Ledger 01 Stage Placeholder Management Ledger 02 Stage Placeholder Management Ledger 03 Stage Placeholder Management Ledger 04 Stage Placeholder Management Ledger 05	Management Ledger Management Ledger 01 Management Ledger 02 Management Ledger 03 Management Ledger 04 Management Ledger 05

5.3.1 Management Ledger

The Management Ledger Report provides the analysis capability on the Stage Management Ledger Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

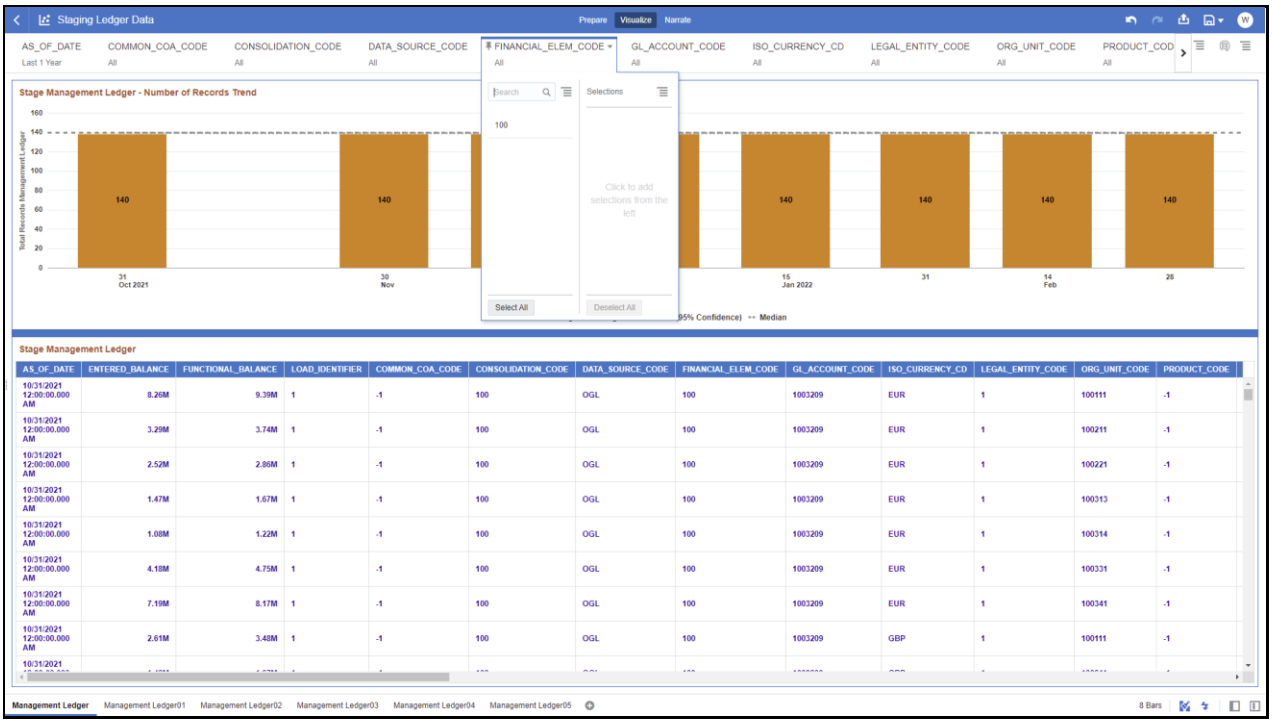
- Stage Management Ledger - Number of Records Trend

Total Records Management Ledger aggregated by AS_OF_DATE.

- Stage Management Ledger

Granular table records at FINANCIAL_ELEM_CODE level.

Figure 22: Staging Ledger Data – Management Ledger



5.3.2 Management Ledger01

The Management Ledger01 Report provides the analysis capability on the Stage Placeholder Management Ledger 01 table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

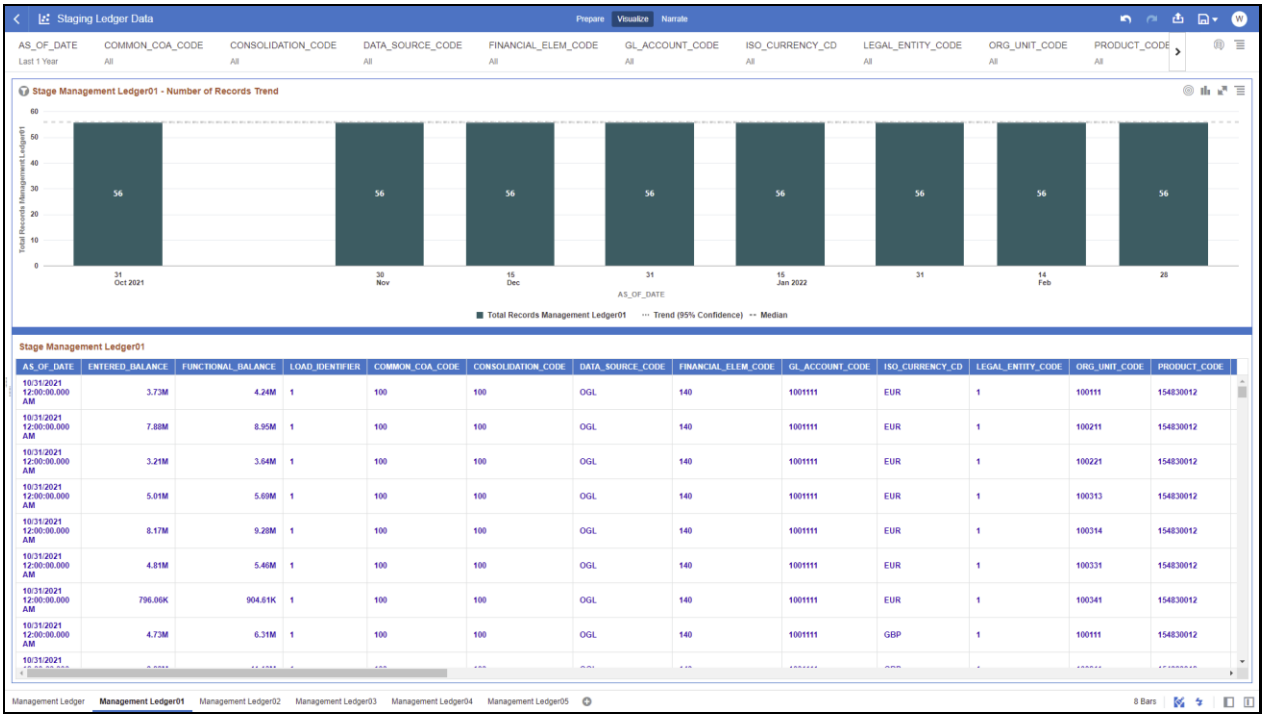
- Stage Management Ledger01 - Number of Records Trend

  Total Records Management Ledger01 aggregated by AS_OF_DATE.

- Stage Management Ledger01

Granular table records at FINANCIAL_ELEM_CODE level.

Figure 23: Staging Ledger Data – Management Ledger01



5.3.3 Management Ledger02

The Management Ledger02 Report provides the analysis capability on the Stage Placeholder Management Ledger 02 table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

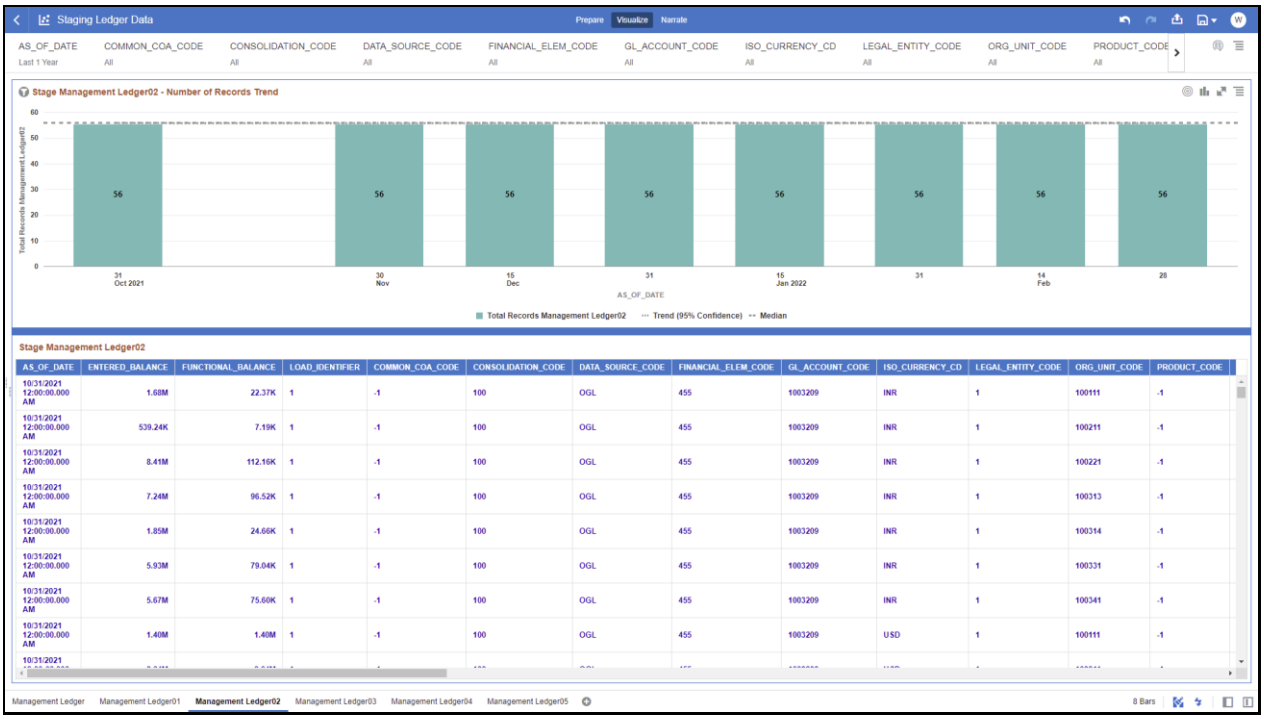
- Stage Management Ledger02 - Number of Records Trend

  Total Records Management Ledger02 aggregated by AS_OF_DATE.

- Stage Management Ledger02

  Granular table records at FINANCIAL_ELEM_CODE level.

Figure 24: Staging Ledger Data – Management Ledger02



5.3.4Management Ledger03

The Management Ledger03 Report provides the analysis capability on the Stage Placeholder Management Ledger 03 table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

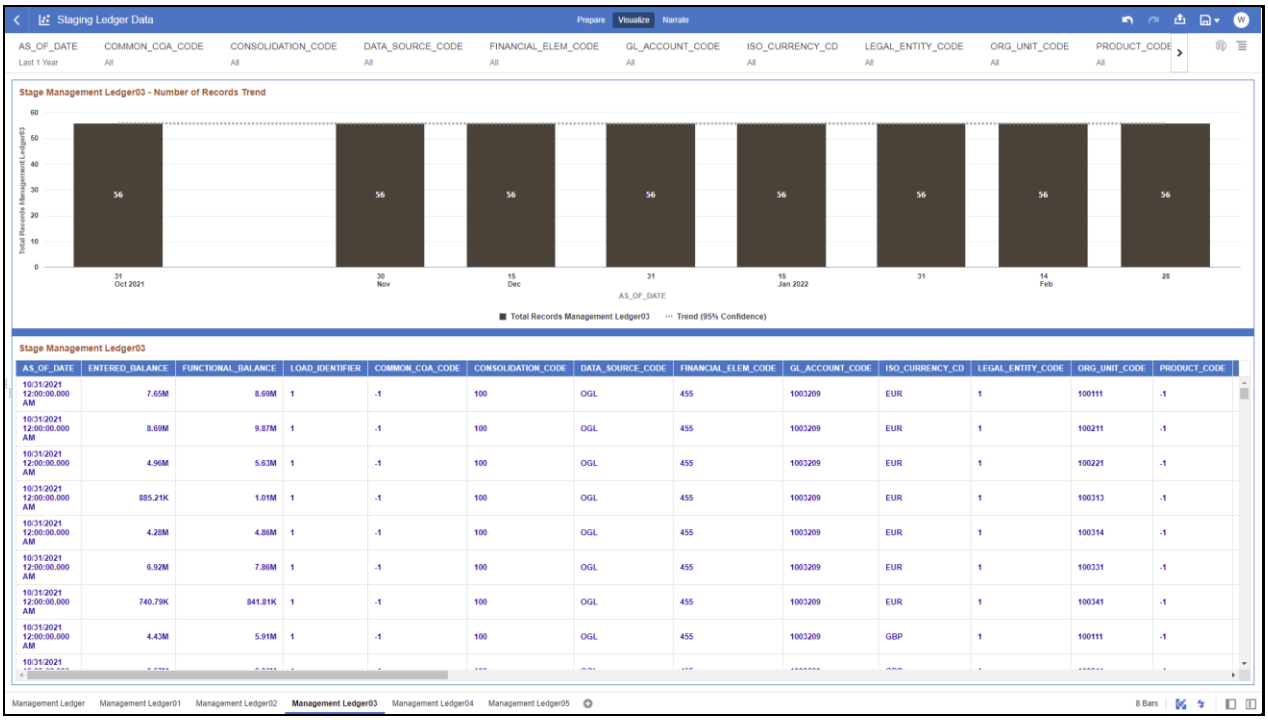
- Stage Management Ledger03 - Number of Records Trend

  Total Records Management Ledger03 aggregated by AS_OF_DATE.

- Stage Management Ledger03

  Granular table records at FINANCIAL_ELEM_CODE level.

Figure 25: Staging Ledger Data – Management Ledger03



5.3.5 Management Ledger04

The Management Ledger04 Report provides the analysis capability on the Stage Placeholder Management Ledger 04 table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

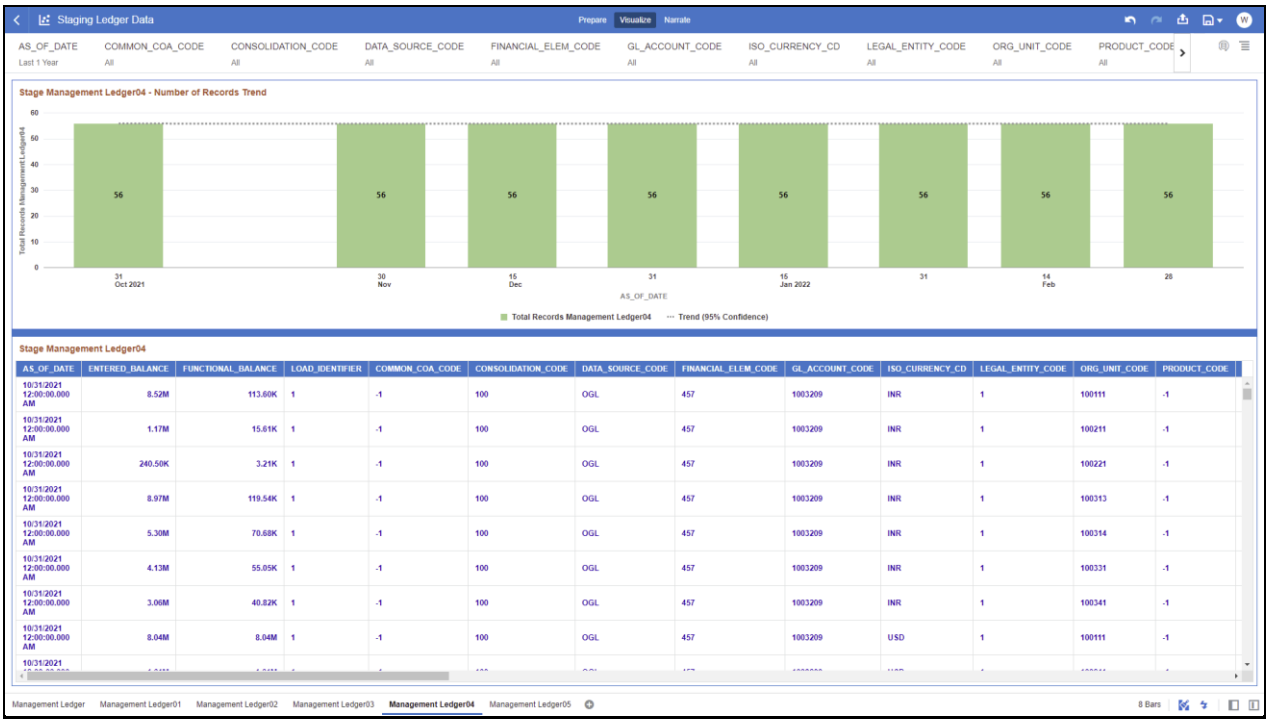
- Stage Management Ledger04 - Number of Records Trend

  Total Records Management Ledger04 aggregated by AS_OF_DATE.

- Stage Management Ledger04

  Granular table records at FINANCIAL_ELEM_CODE level.

Figure 26: Staging Ledger Data – Management Ledger04



5.3.6 Management Ledger05

The Management Ledger05 Report provides the analysis capability on the Stage Placeholder Management Ledger 05 table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

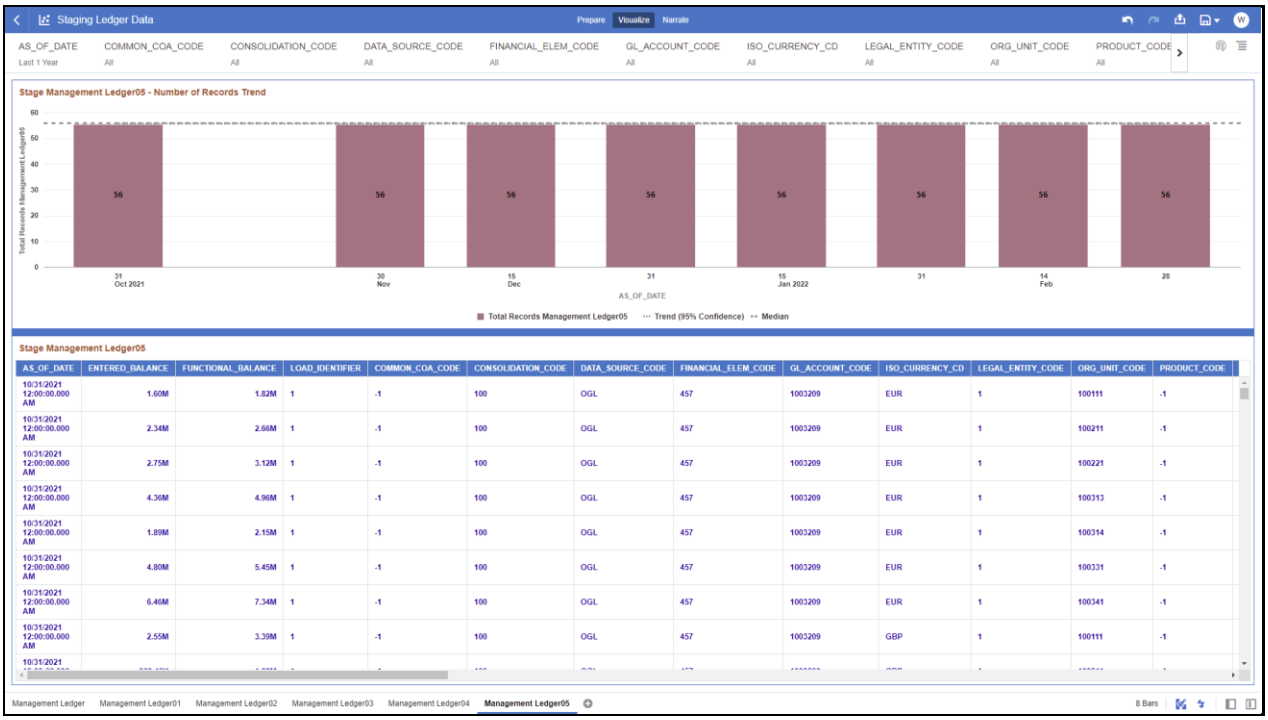
- Stage Management Ledger05 - Number of Records Trend

  Total Records Management Ledger05 aggregated by AS_OF_DATE.

- Stage Management Ledger05

  Granular table records at FINANCIAL_ELEM_CODE level.

Figure 27: Staging Ledger Data – Management Ledger05



5.4 Staging Transaction Summary Data

You can use this report to perform the analysis on the Staging area tables related to Transaction Summary Data. The report contains specifically the following Staging Database Objects:

Table 5: Staging Ledger Data Reports

Report Name	Scope	Table Layer	Physical Table List	Logical Table List	Report Canvas Name
Staging Transaction Summary Data	Transaction Summary	STG–Staging	STG_ASSET_TXN STG_LIABILITY_TXN STG_FEE_BASED_SERVICE_TXN STG_OFF_BALANCE_SHEET_TXN	Stage Asset Transaction Summary Stage Liability Transaction Summary Stage Fee Based and Other Services Transaction Summary Stage Off Balance Sheet Transaction Summary	Assets Transaction Summary Liabilities Transaction Summary Fee Based Services Transaction Summary Off Balance Sheet Transaction Summary

5.4.1 Asset Transaction Summary

This report provides the analysis capability on the Stage Assets Transaction Summary Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

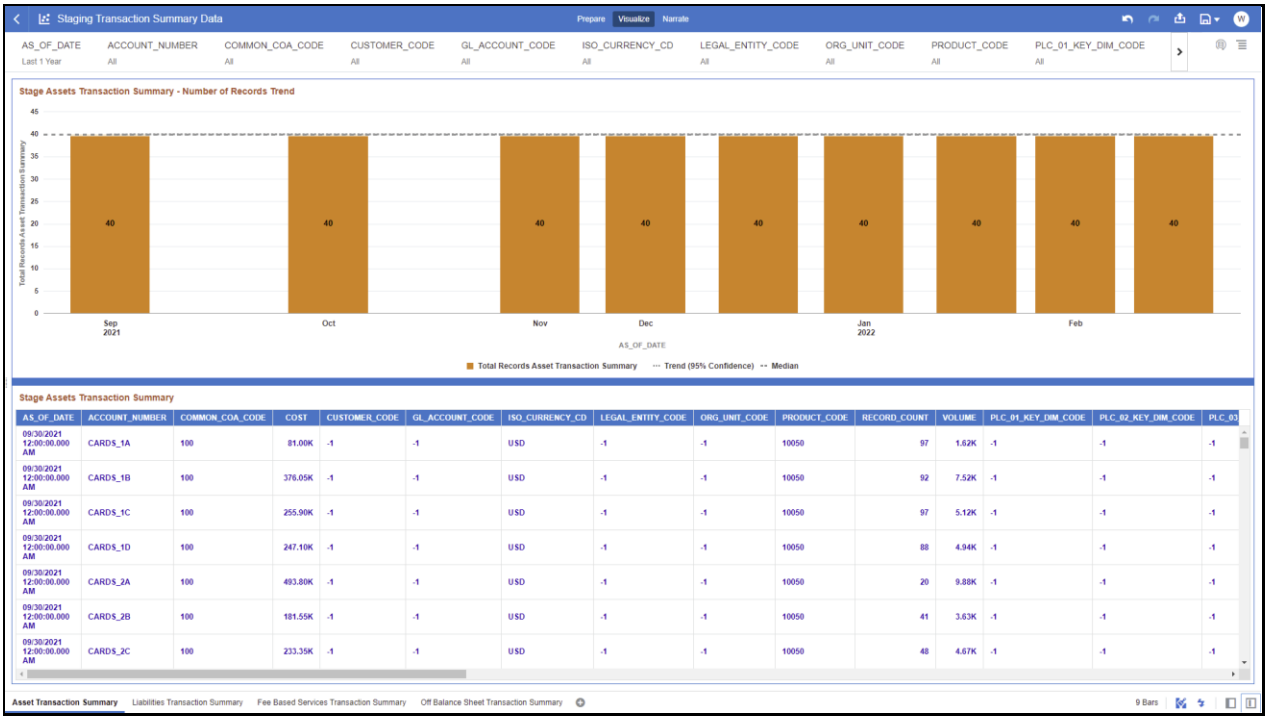
- Stage Assets Transaction Summary - Number of Records Trend

  Total Records Assets Transaction Summary aggregated by AS_OF_DATE.

- Stage Assets Transaction Summary

  Granular table records at ACCOUNT_NUMBER level.

Figure 28: Staging Transaction Summary Data – Asset Transaction Summary



5.4.2 Liabilities Transaction Summary

The Liabilities Transaction Summary Report provides the analysis capability on the Stage Liability Transaction Summary Table.

You can use a series of Report Prompts to filter the data according to functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

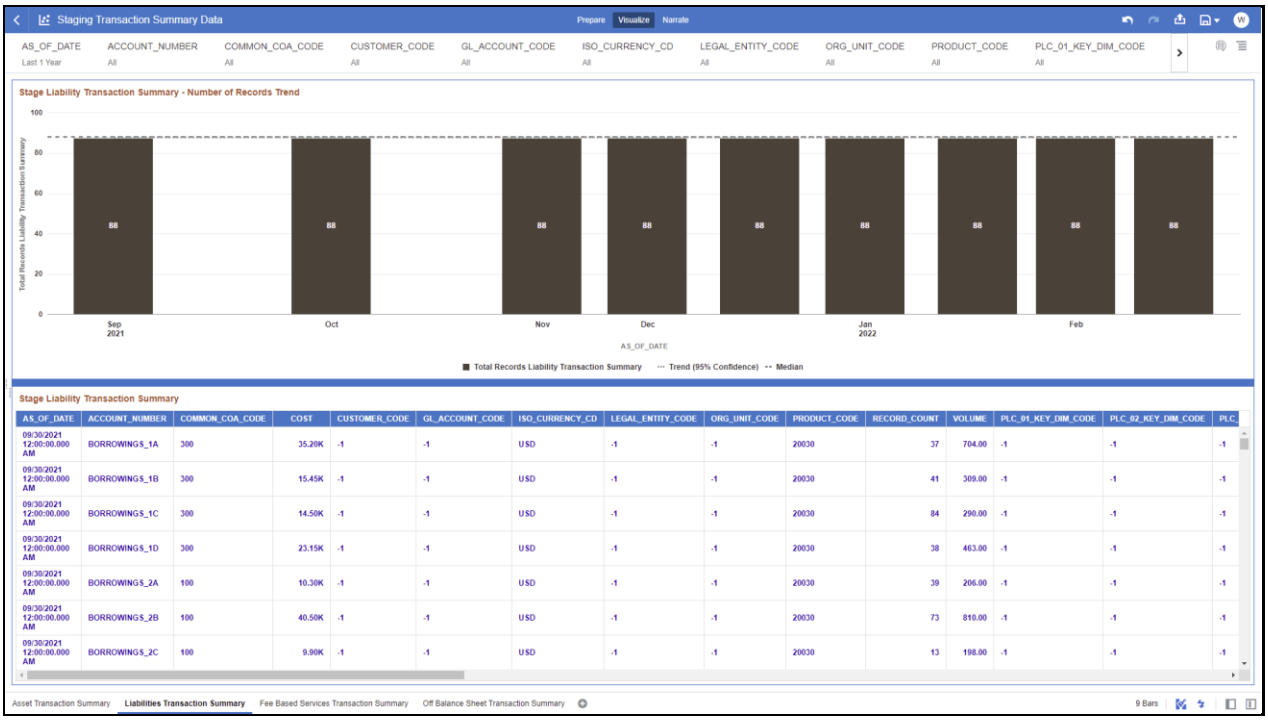
- Stage Liability Transaction Summary - Number of Records Trend

  Total Records Liability Transaction Summary aggregated by AS_OF_DATE.

- Stage Liability Transaction Summary

  Granular table records at ACCOUNT_NUMBER level.

Figure 29: Staging Transaction Summary Data – Liabilities Transaction Summary



5.4.3 Fee Based Services Transaction Summary

The Fee Based Services Transaction Summary Report provides the analysis capability on the Stage Fee Based and Other Services Transaction Summary Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

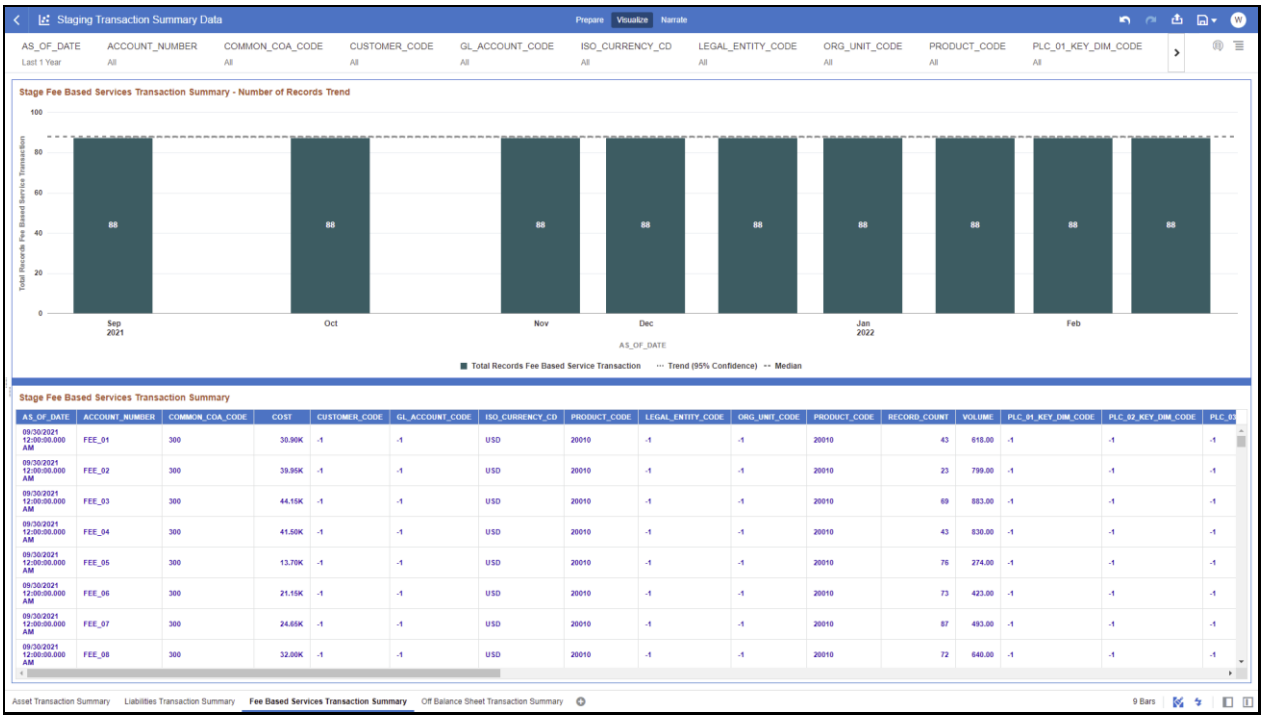
- Stage Fee Based Services Transaction Summary - Number of Records Trend

  Total Records Fee Based Service Transaction aggregated by AS_OF_DATE.

- Stage Fee Based Services Transaction Summary

  Granular table records at ACCOUNT_NUMBER level.

Figure 30: Staging Transaction Summary Data – Fee Based Services Transaction Summary



5.4.4Off Balance Sheet Transaction Summary

The Off Balance Sheet Transaction Summary Report provides the analysis capability on the Stage Off Balance Sheet Transaction Summary Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

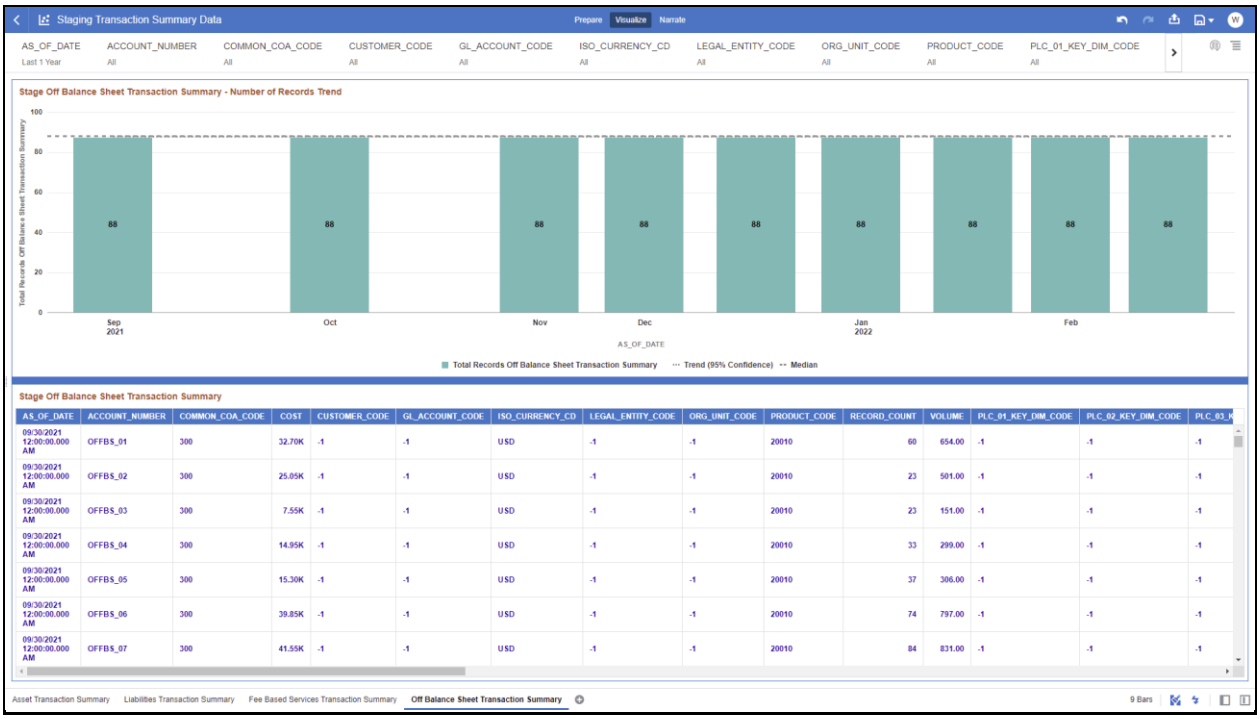
- Stage Off Balance Sheet Transaction Summary - Number of Records Trend

  Total Records Off Balance Sheet Transaction Summary aggregated by AS_OF_DATE.

- Stage Off Balance Sheet Transaction Summary

  Granular table records at ACCOUNT_NUMBER level.

Figure 31: Staging Transaction Summary Data – Off Balance Sheet Transaction Summary



5.5 Processing Instrument Data

You can use this report to perform the analysis on the Processing Area Tables related to Instrument Data. The report contains specifically the following Processing Database Objects:

Table 6: Staging Ledger Data Reports

Report Name	Scope	Table Layer	Physical Table List	Logical Table List	Report Canvas Name
Processing Instrument Data	Instrument	FSI-Processing	FSI_D_ASSET FSI_D_LIABILITY FSI_D_DERIVATIVE FSI_D_FEE_BASED_SERVICE FSI_D_LOAN_COMMITMENTS FSI_D_OFF_BALANCE_SHEET FSI_D_LEDGER_INSTRUMENT	Asset Instruments Liability Instruments Derivative Contracts Fee Based and Other Services Loan Commitments Off Balance Sheet Contracts Ledger Instrument	Assets Liabilities Derivative Contracts Fee Based Services Loan Commitments Off Balance Sheet Items Ledger - Instruments

5.5.1 Assets

The Assets Report provides the analysis capability on the Asset Instrument Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

- Asset Instruments - Aggregated Statistics

  Aggregation for CUR_PAR_BAL (sum), ORG_PAR_BAL (sum) and CUR_NET_RATE (avg) by AS_OF_DATE, ISO_CURRENCY_CD and PRODUCT_ID.

  In addition, for CUR_NET_RATE, the additional Balance Weighted Rate, WAVG_CUR_NET_RATE_ASSET, is calculated as the Weighted AVG by CUR_PAR_BAL.

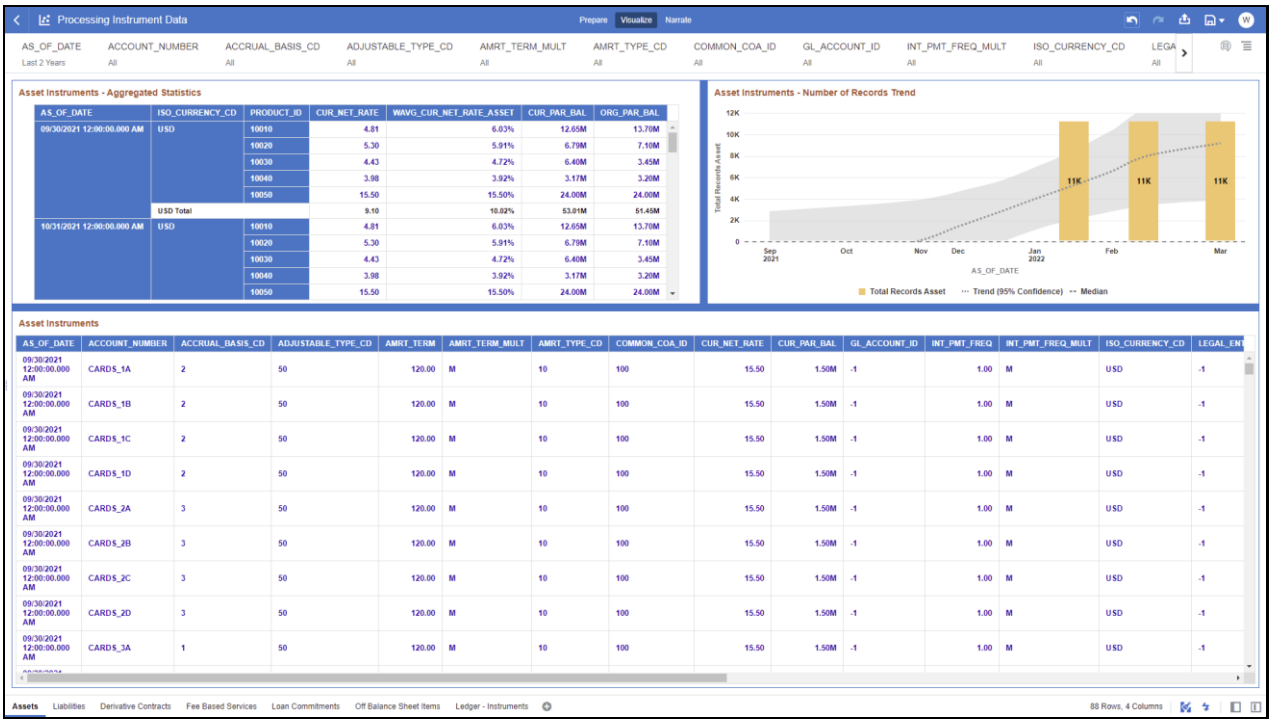
- Asset Instruments - Number of Records Trend

  Total Records Asset aggregated by AS_OF_DATE.

- Asset Instruments

  Granular table records at ACCOUNT_NUMBER level.

Figure 32: Processing Instrument Data - Assets



5.5.2 Liabilities

The Liabilities Report provides the analysis capability on the Liability Instrument Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

- Liability Instruments - Aggregated Statistics

  Aggregation for CUR_PAR_BAL (sum), ORG_PAR_BAL (sum) and CUR_NET_RATE (avg) by AS_OF_DATE, ISO_CURRENCY_CD and PRODUCT_ID.

  In addition, for CUR_NET_RATE, the additional Balance Weighted Rate, WAVG_CUR_NET_RATE_LIABILITY, is calculated as the Weighted AVG by CUR_PAR_BAL.

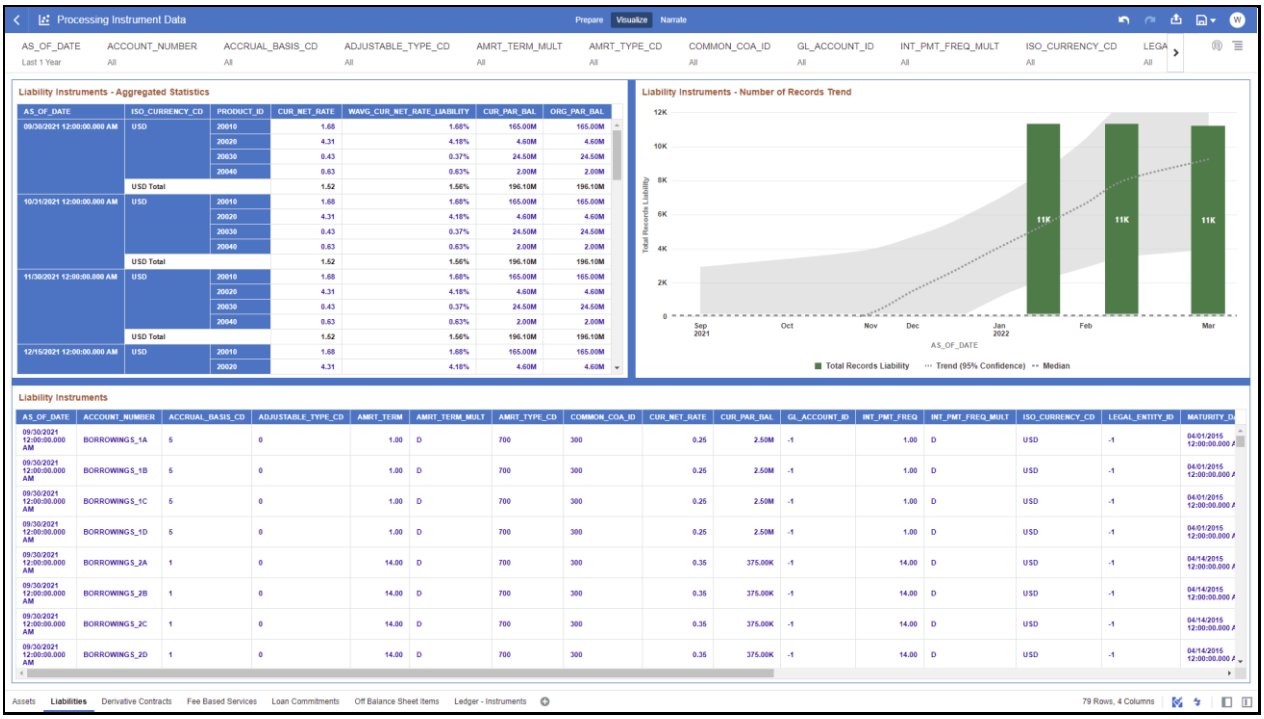
- Liability Instruments - Number of Records Trend

  Total Records Liability aggregated by AS_OF_DATE.

- Liability Instruments

  Granular table records at ACCOUNT_NUMBER level.

Figure 33: Processing Instrument Data - Liabilities



5.5.3 Derivative Contracts

The Derivative Contracts Report provides the analysis capability on the Derivative Contracts Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

- Derivative Contracts - Aggregated Statistics

  Aggregation for CUR_PAR_BAL (sum), ORG_PAR_BAL (sum) and CUR_NET_RATE (avg) by AS_OF_DATE, ISO_CURRENCY_CD and PRODUCT_ID.

  In addition, for CUR_NET_RATE, the additional Balance Weighted Rate, WAVG_CUR_NET_RATE_LIABILITY, is calculated as the Weighted AVG by CUR_PAR_BAL.

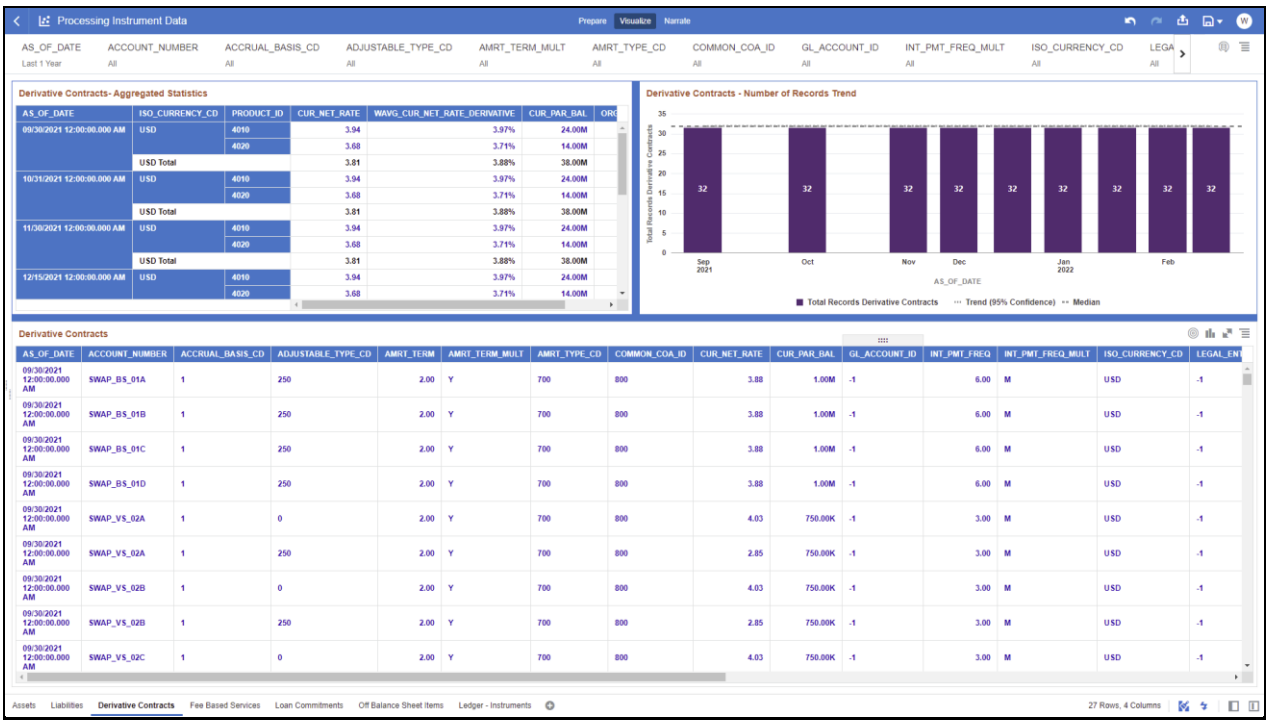
- Derivative Contracts - Number of Records Trend

  Total Records Derivative Contracts aggregated by AS_OF_DATE.

- Derivative Contracts

  Granular table records at ACCOUNT_NUMBER level.

Figure 34: Processing Instrument Data – Derivative Contracts



5.5.4 Fee Based Services

The Fee Based Services Report provides the analysis capability on the Fee Based and Other Services Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

- Fee Based Services - Aggregated Statistics

  Aggregation for CUR_PAR_BAL (sum), ORG_PAR_BAL (sum) and CUR_NET_RATE (avg) by AS_OF_DATE, ISO_CURRENCY_CD and PRODUCT_ID.

  In addition, for CUR_NET_RATE, the additional Balance Weighted Rate, WAVG_CUR_NET_RATE_FEE_BASED, is calculated as the Weighted AVG by CUR_PAR_BAL.

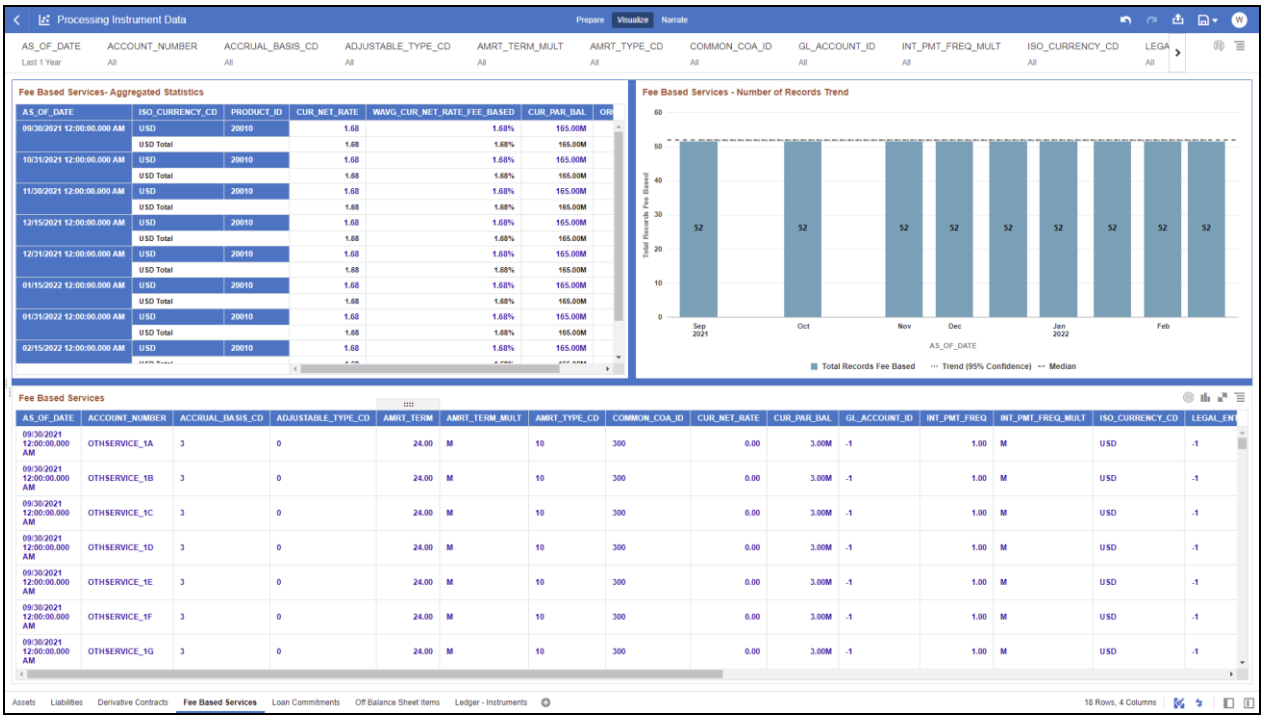
- Fee Based Services - Number of Records Trend

  Total Records Fee Based aggregated by AS_OF_DATE.

- Fee Based Services

  Granular table records at ACCOUNT_NUMBER level.

Figure 35: Processing Instrument Data – Fee Based Services



5.5.5 Loan Commitments

The Loan Commitments Report provides the analysis capability on the Loan Commitments Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

- Loan Commitments - Aggregated Statistics

  Aggregation for CUR_PAR_BAL (sum), ORG_PAR_BAL (sum) and CUR_NET_RATE (avg) by AS_OF_DATE, ISO_CURRENCY_CD and PRODUCT_ID.

  In addition, for CUR_NET_RATE, the additional Balance Weighted Rate, WAVG_CUR_NET_RATE_LOAN_COMMITMENTS, is calculated as the Weighted AVG by CUR_PAR_BAL.

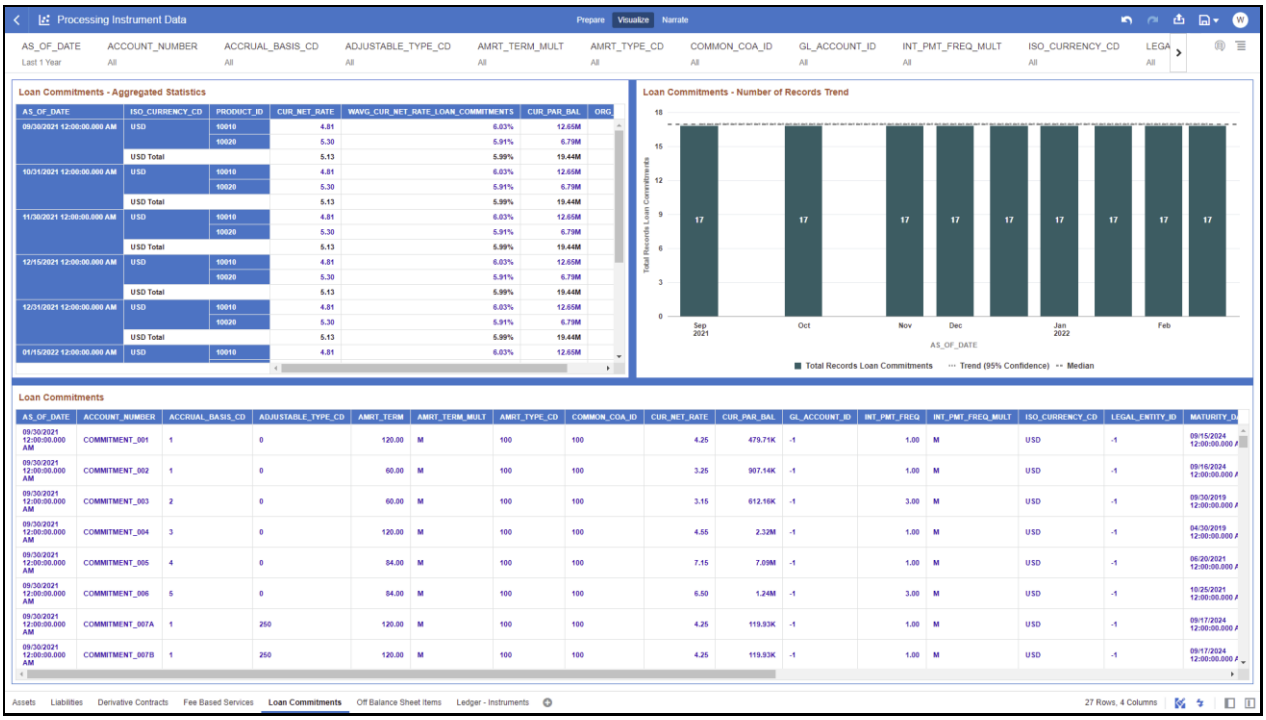
- Loan Commitments - Number of Records Trend

  Total Records Loan Commitments aggregated by AS_OF_DATE.

- Loan Commitments

  Granular table records at ACCOUNT_NUMBER level.

Figure 36: Processing Instrument Data – Loan Commitments



5.5.6 Off Balance Sheet Items

The Off Balance Sheet Items Report provides the analysis capability on the Off Balance Sheet Contracts Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

- Off Balance Sheet Contracts - Aggregated Statistics

  Aggregation for CUR_PAR_BAL (sum), ORG_PAR_BAL (sum) and CUR_NET_RATE (avg) by AS_OF_DATE, ISO_CURRENCY_CD and PRODUCT_ID.

  In addition, for CUR_NET_RATE, the additional Balance Weighted Rate, WAVG_CUR_NET_RATE_OFF_BALANCE_SHEET, is calculated as the Weighted AVG by CUR_PAR_BAL.

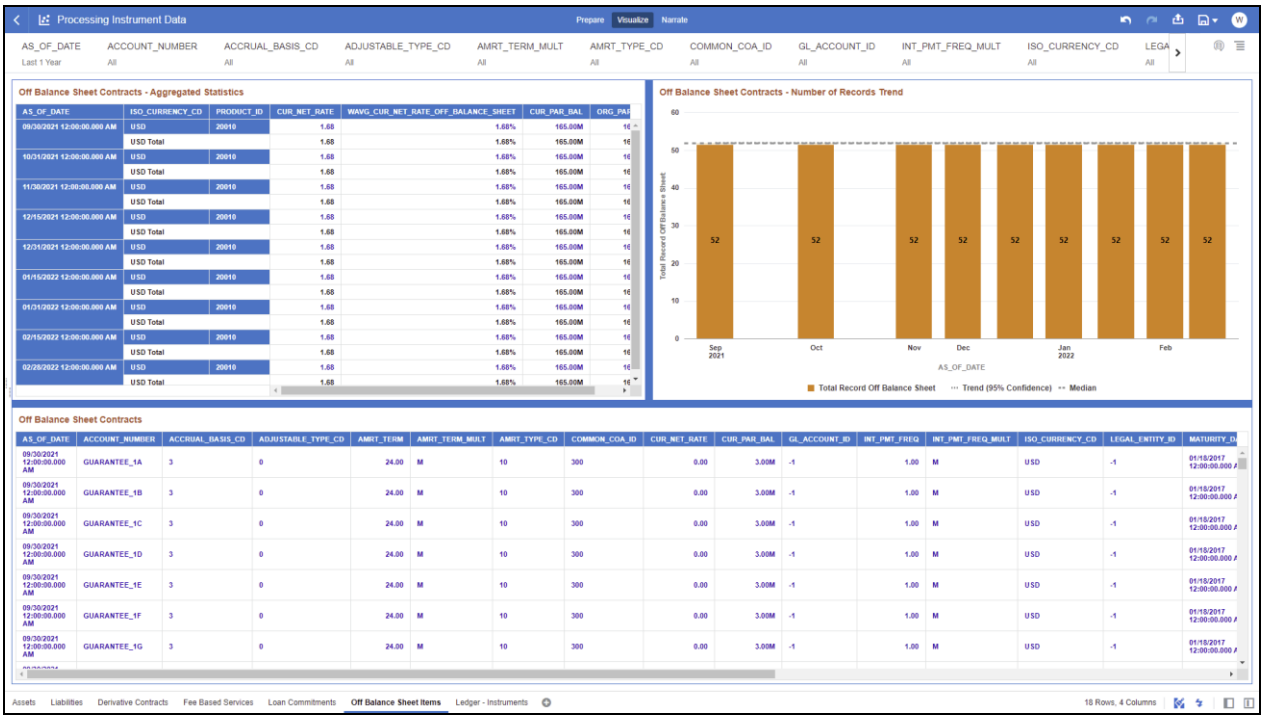
- Off Balance Sheet Contracts - Number of Records Trend

  Total Record Off Balance Sheet aggregated by AS_OF_DATE.

- Off Balance Sheet Contracts

  Granular table records at ACCOUNT_NUMBER level.

Figure 37: Processing Instrument Data – Off Balance Sheet Items



5.5.7 Ledger – Instruments

The Ledger – Instrument Report provides the analysis capability on the Ledger Instrument Table.

You can use a series of Report Prompts to filter the data according to functional key attributes pertaining to the table columns perimeter.

The report displays the underlying data according to the following Charts' logic:

- Ledger Instrument - Aggregated Statistics

  Aggregation for CUR_PAR_BAL (sum), ORG_PAR_BAL (sum) and CUR_NET_RATE (avg) by AS_OF_DATE, ISO_CURRENCY_CD and PRODUCT_ID.

  In addition, for CUR_NET_RATE, the additional Balance Weighted Rate, WAVG_CUR_NET_RATE_LEDGER_INSTRUMENTS, is calculated as the Weighted AVG by CUR_PAR_BAL.

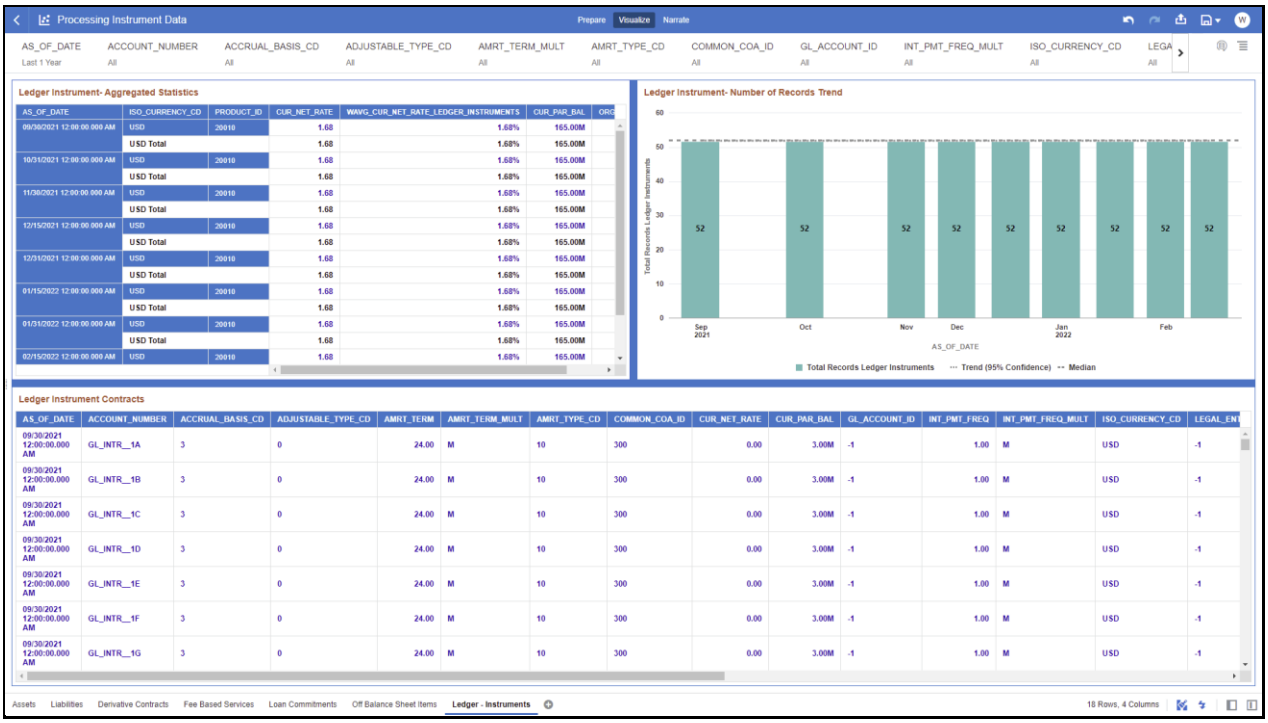
- Ledger Instrument - Number of Records Trend

  Total Records Ledger Instruments aggregated by AS_OF_DATE.

- Ledger Instrument

  Granular table records at ACCOUNT_NUMBER level.

Figure 38: Processing Instrument Data – Ledger Instruments



5.6 Processing Instrument Supplementary Data

You can use this report to perform the analysis on the Processing Area Tables related to Instrument Data. The report contains specifically the below Processing Database Objects:

Table 7: Staging Ledger Data Reports

Report Name	Scope	Table Layer	Physical Table List	Logical Table List	Report Canvas Name
Processing Instrument Supplementary Data	Instrument Supplementary	FSI–Processing	FSI_D_ACCOUNT_INDEX_HIST FSI_D_ACCOUNT_RATE_TIERS FSI_D_EMBEDDED_OPTIONS_SCH FSI_D_PAYMENT_SCHEDULE	Account Index History Account Rate Tiers Embedded Options Schedule Payment Schedule	Account Index History Account Rate Tiers Embedded Options Schedule Payment Schedule

5.6.1 Account Index History

The Account Index History Report provides the analysis capability on the Account Index History Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

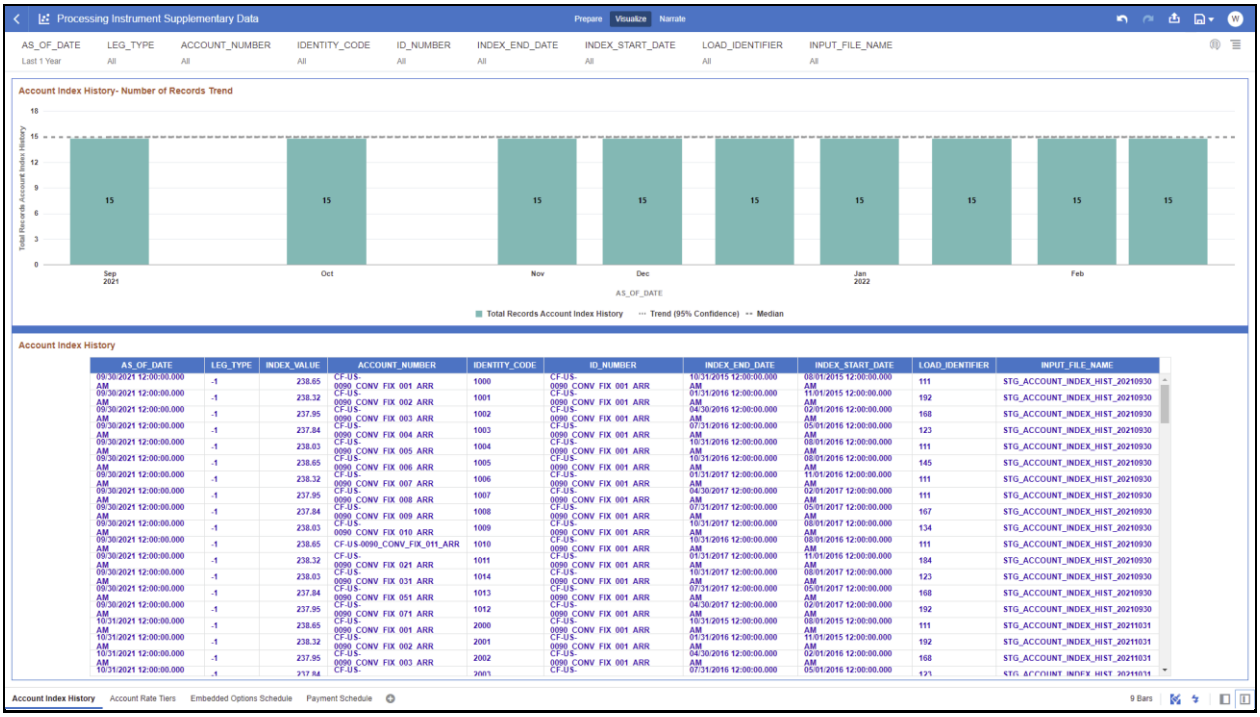
- Account Index History - Number of Records Trend

Total Records Account Index History aggregated by AS_OF_DATE.

- Account Index History

  Granular table records at ACCOUNT_NUMBER level.

Figure 39: Processing Instrument Supplementary Data – Account Index History



5.6.2Account Rate Tiers

The Account Rate Tiers Report provides the analysis capability on the Account Rate Tiers Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

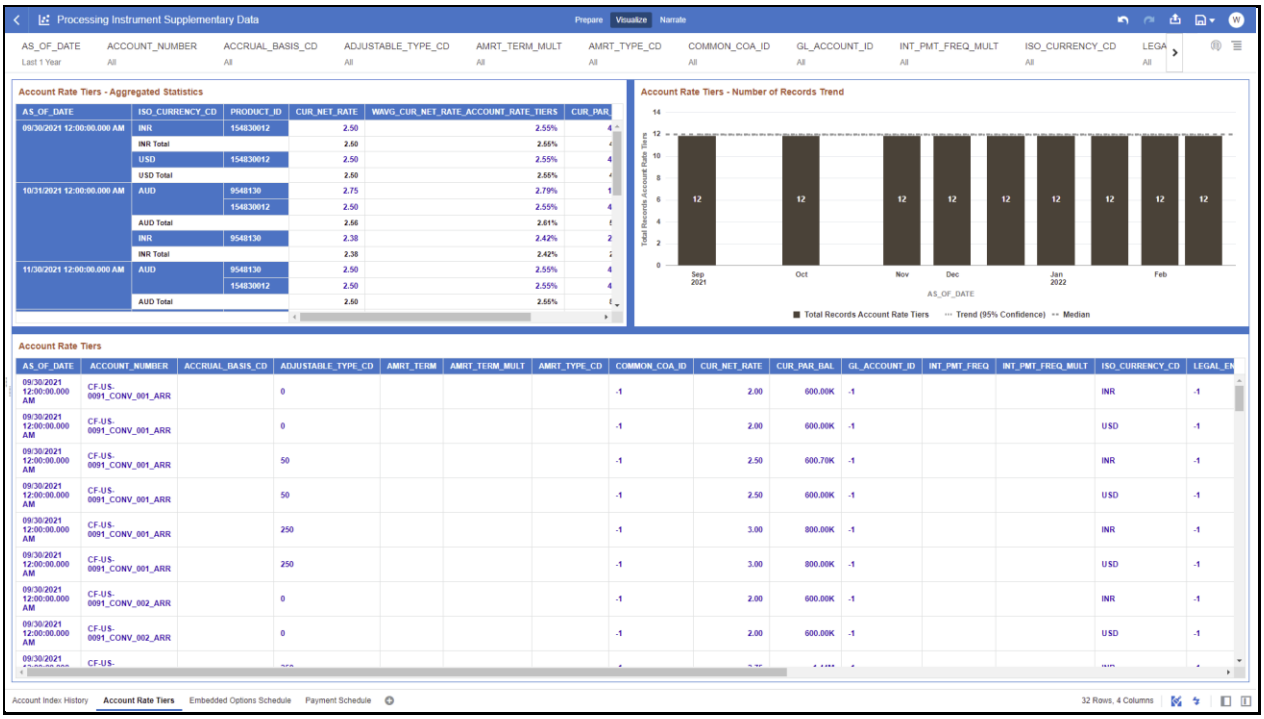
- Account Rate Tiers - Number of Records Trend

  Total Records Account Rate Tiers aggregated by AS_OF_DATE.

- Account Rate Tiers

  Granular table records at ACCOUNT_NUMBER level.

Figure 40: Processing Instrument Supplementary Data – Account Rate Tiers



5.6.3 Embedded Options Schedule

The Embedded Options Schedule Report provides the analysis capability on the Embedded Options Schedule Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

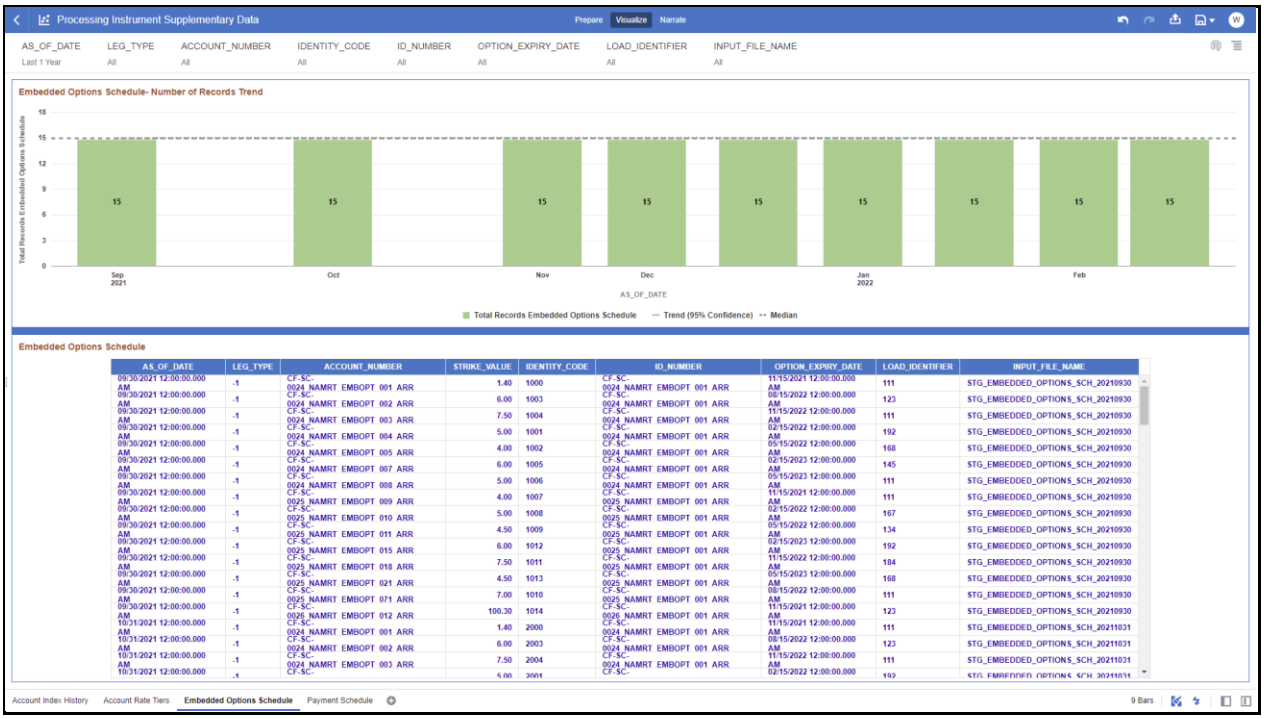
- Embedded Options Schedule - Number of Records Trend

  Total Records Embedded Options Schedule aggregated by AS_OF_DATE.

- Embedded Options Schedule

  Granular table records at ACCOUNT_NUMBER level.

Figure 41: Processing Instrument Supplementary Data – Embedded Options Schedule



5.6.4Payment Schedule

The Payment Schedule Report provides the analysis capability on the Payment Schedule Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

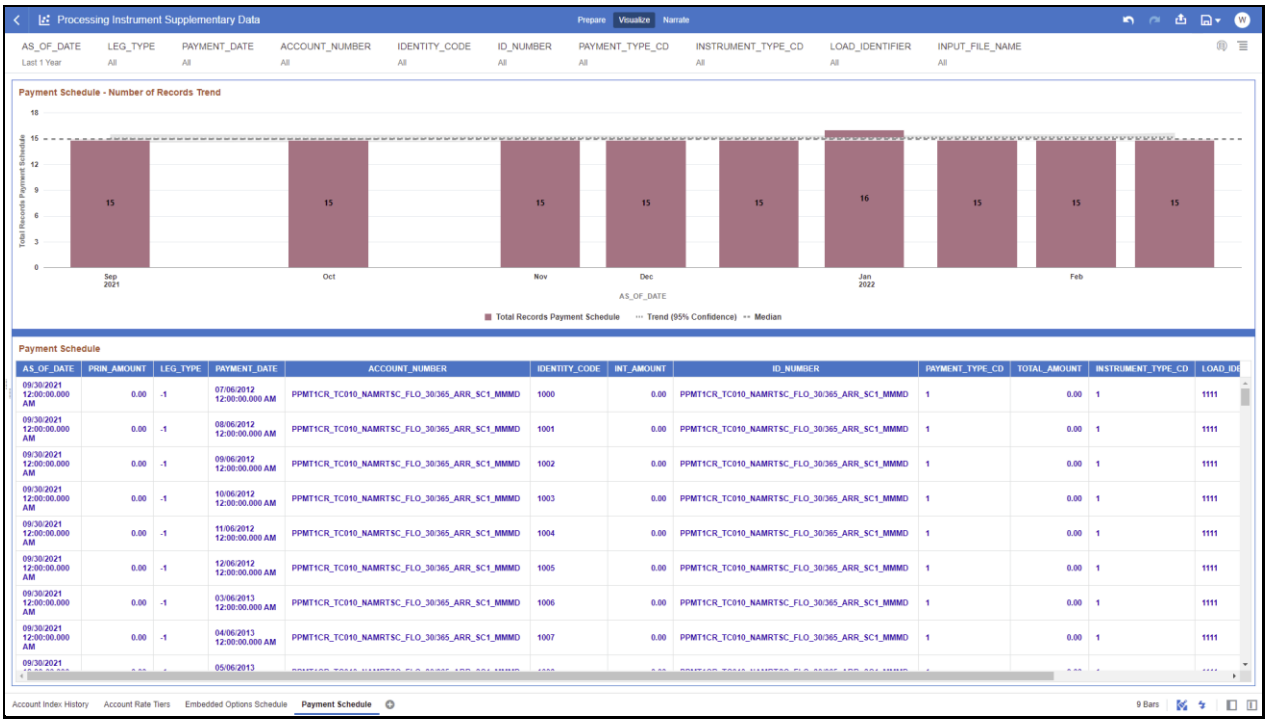
- Payment Schedule - Number of Records Trend

  Total Records Payment Schedule aggregated by AS_OF_DATE.

- Payment Schedule

  Granular table records at ACCOUNT_NUMBER level.

Figure 42: Processing Instrument Supplementary Data – Payment Schedule



5.7 Processing Ledger Data

You can use this report to perform analysis on the Processing Area Tables related to Ledger Data. The report contains specifically the following Staging Database Objects:

Table 8: Staging Ledger Data Reports

Report Name	Scope	Table Layer	Physical Table List	Logical Table List	Report Canvas Name
Processing Ledger Data	Ledger	FSI-Processing	FSI_D_MANAGEMENT_LEDGER FSI_D_MANAGEMENT_LEDGER_01 FSI_D_MANAGEMENT_LEDGER_02 FSI_D_MANAGEMENT_LEDGER_03 FSI_D_MANAGEMENT_LEDGER_04 FSI_D_MANAGEMENT_LEDGER_05	Management Ledger Placeholder Management Ledger 01 Placeholder Management Ledger 02 Placeholder Management Ledger 03 Placeholder Management Ledger 04 Placeholder Management Ledger 05	Management Ledger Management Ledger 01 Management Ledger 02 Management Ledger 03 Management Ledger 04 Management Ledger 05

5.7.1 Management Ledger

The Management Ledger Report provides the analysis capability on the Management Ledger Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

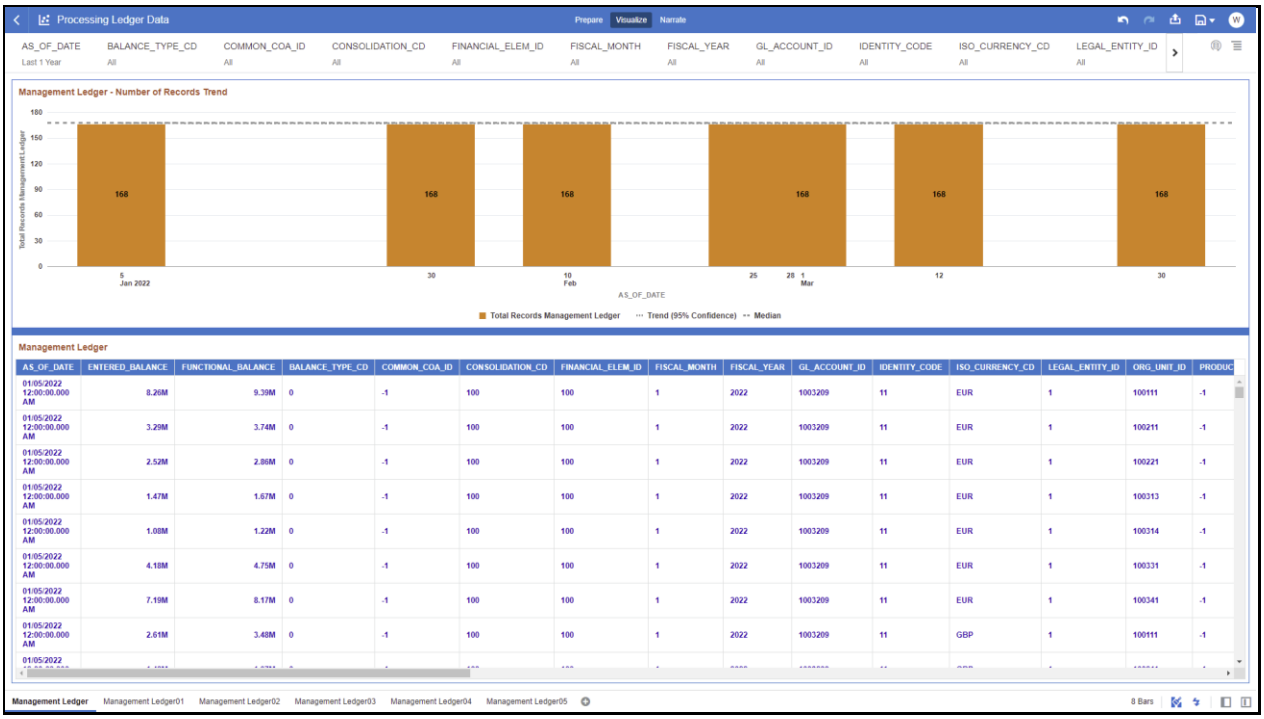
- Management Ledger - Number of Records Trend

  Total Records Management Ledger aggregated by AS_OF_DATE.

- Management Ledger

  Granular table records at FINANCIAL_ELEM_ID level.

Figure 43: Processing Ledger Data – Management Ledger



5.7.2 Management Ledger01

The Management Ledger01 Report provides the analysis capability on the Placeholder Management Ledger 01 Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

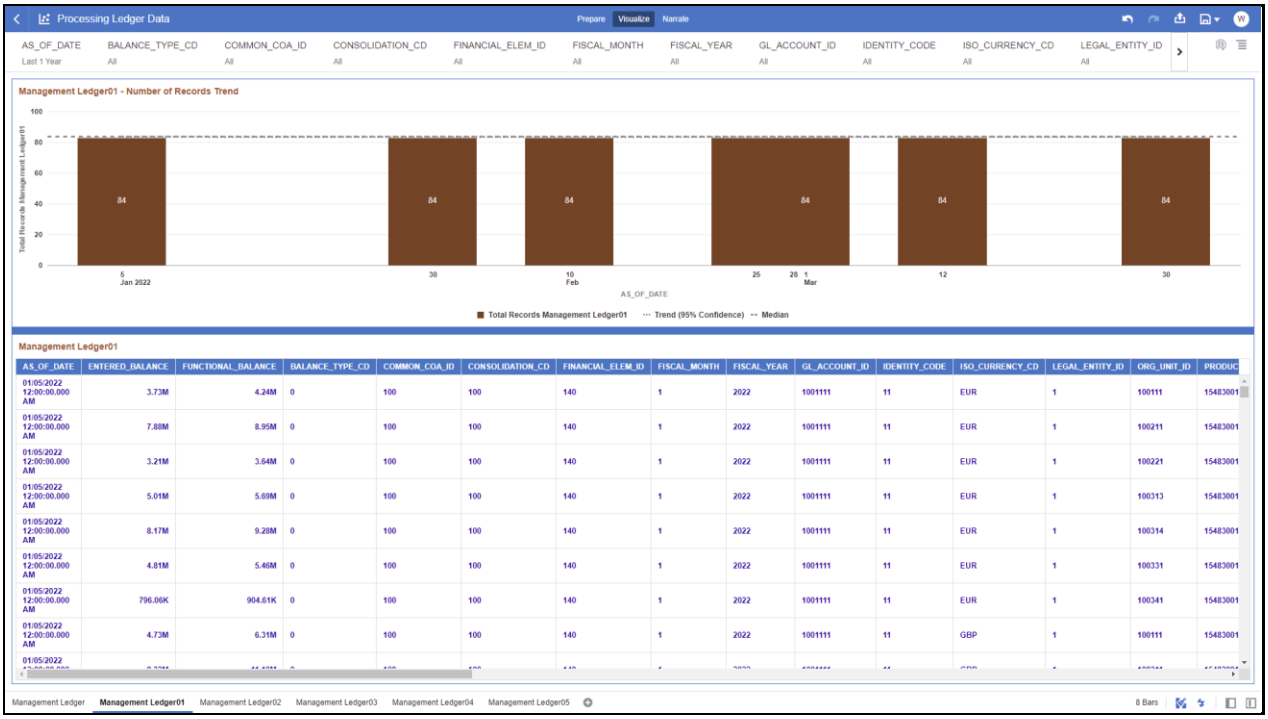
- Management Ledger01 - Number of Records Trend

  Total Records Management Ledger01 aggregated by AS_OF_DATE.

- Management Ledger01

Granular table records at FINANCIAL_ELEM_ID level.

Figure 44: Processing Ledger Data – Management Ledger01



5.7.3 Management Ledger02

The Management Ledger02 Report provides the analysis capability on the Placeholder Management Ledger 02 Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

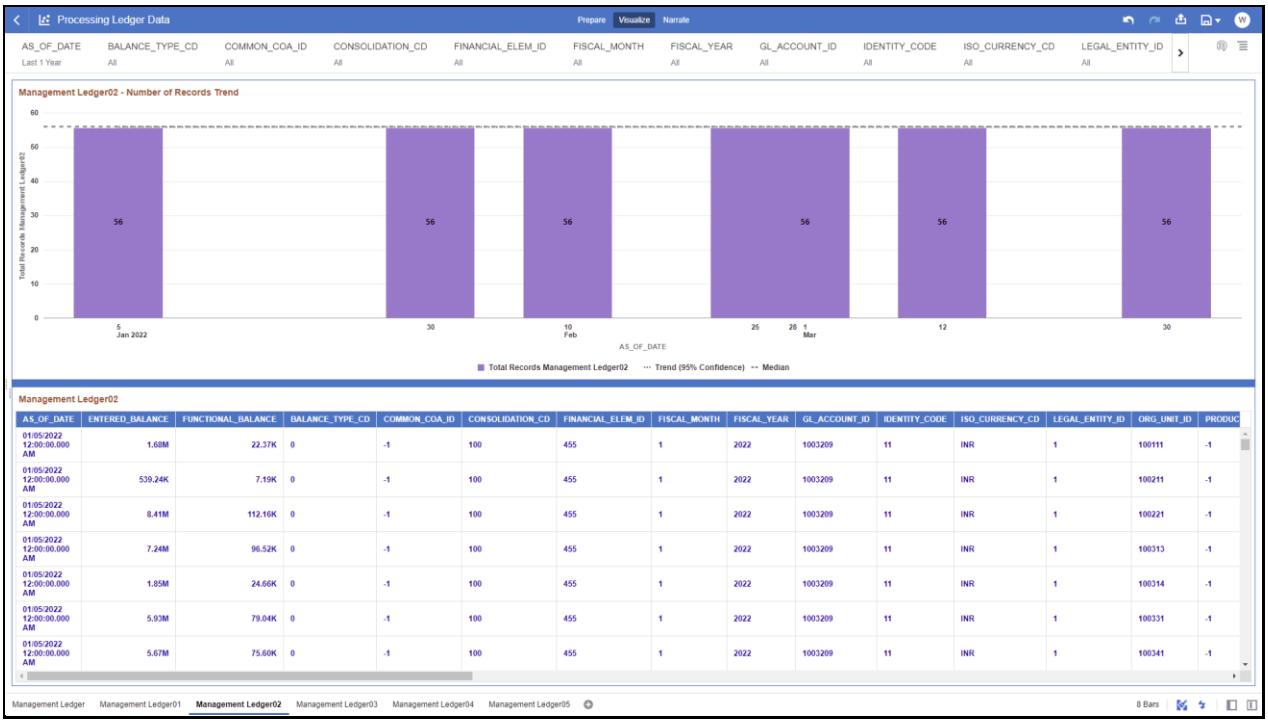
- Management Ledger02 - Number of Records Trend

  Total Records Management Ledger02 aggregated by AS_OF_DATE.

- Management Ledger02

  Granular table records at FINANCIAL_ELEM_ID level.

Figure 45: Processing Ledger Data – Management Ledger02



5.7.4 Management Ledger03

The Management Ledger03 Report provides the analysis capability on the Placeholder Management Ledger 03 Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

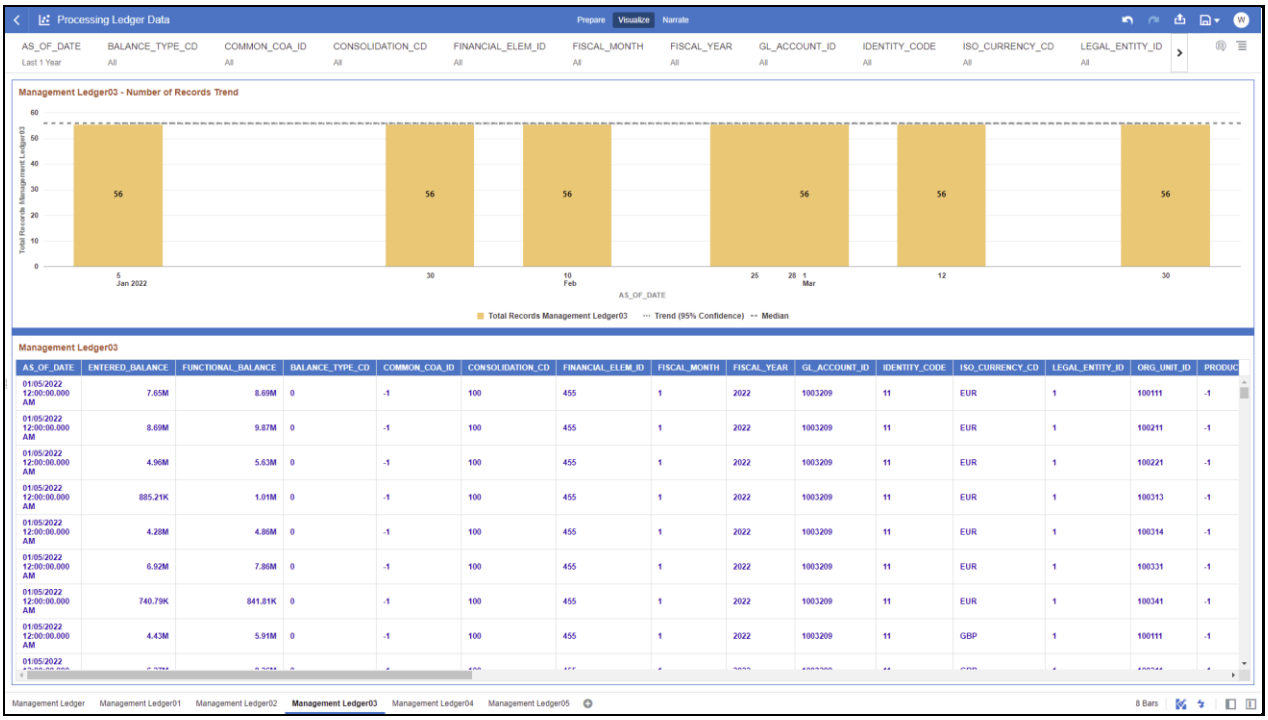
- Management Ledger03 - Number of Records Trend

  Total Records Management Ledger03 aggregated by AS_OF_DATE.

- Management Ledger03

  Granular table records at FINANCIAL_ELEM_ID level.

Figure 46: Processing Ledger Data – Management Ledger03



5.7.5 Management Ledger04

The Management Ledger04 Report provides the analysis capability on the Placeholder Management Ledger 04 Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

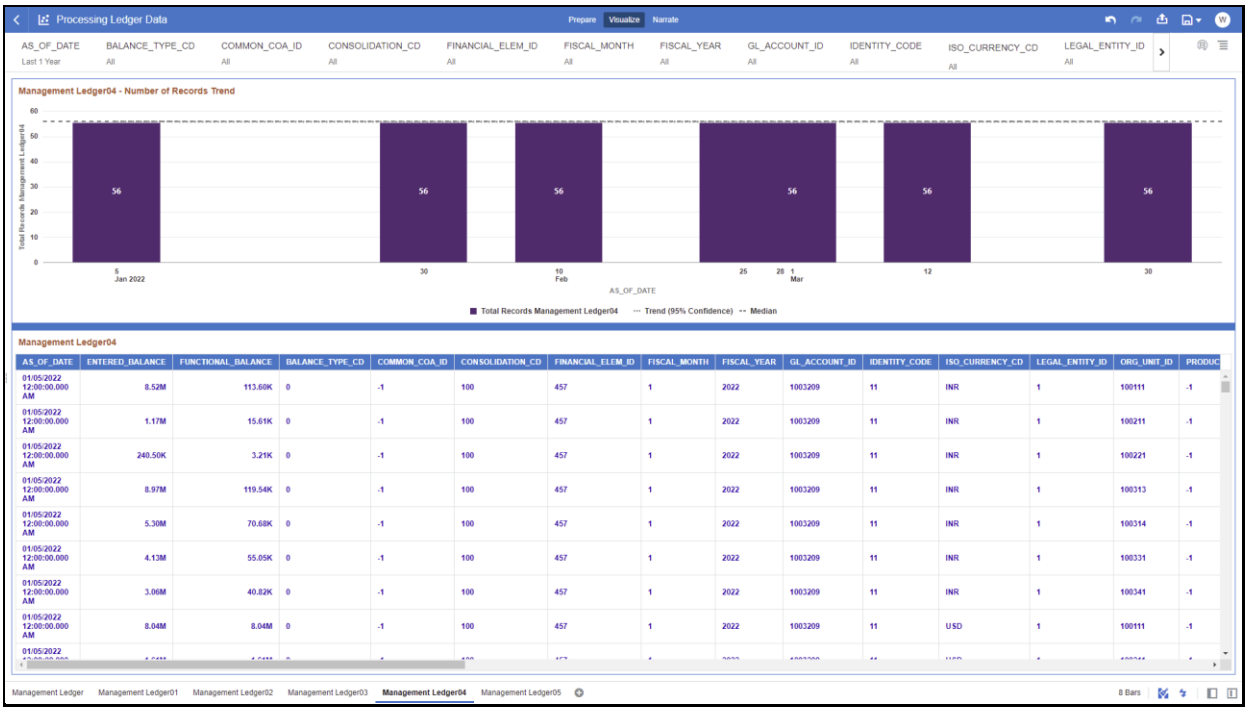
- Management Ledger04 - Number of Records Trend

Total Records Management Ledger04 aggregated by AS_OF_DATE.

- Management Ledger04

Granular table records at FINANCIAL_ELEM_ID level.

Figure 47: Processing Ledger Data – Management Ledger04



5.7.6 Management Ledger05

The Management Ledger05 Report provides the analysis capability on the Placeholder Management Ledger 05 Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

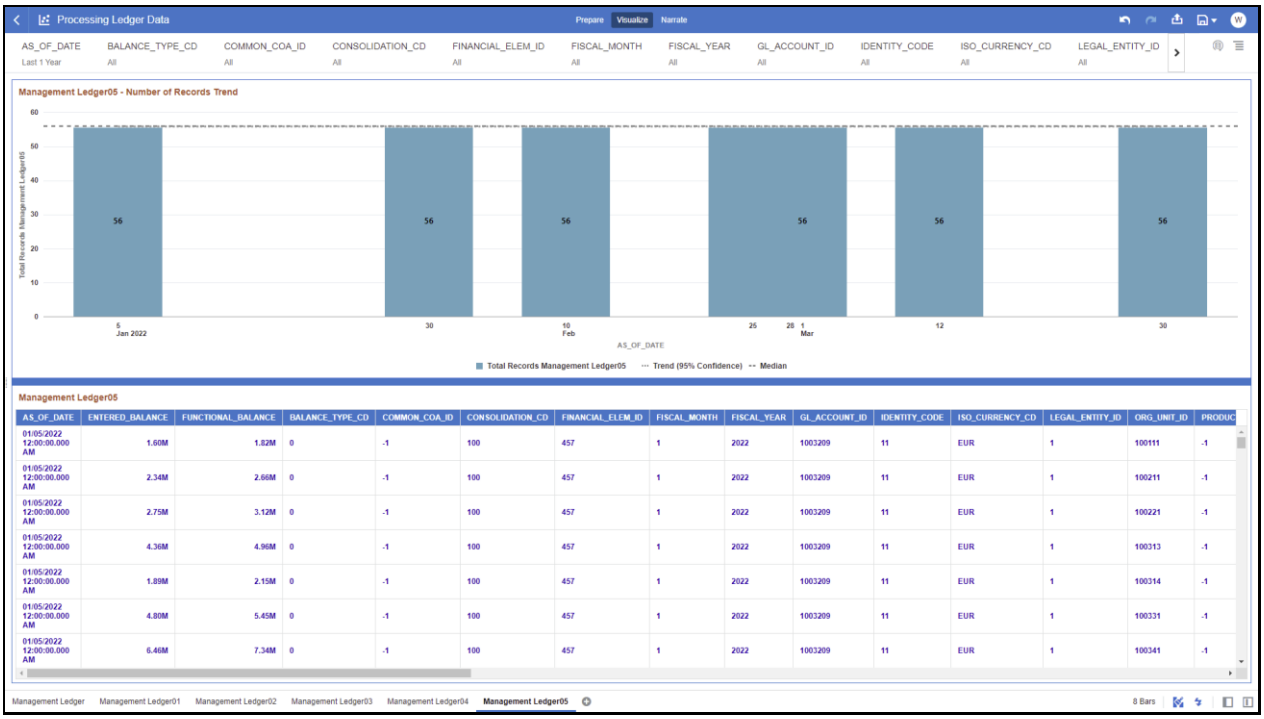
- Management Ledger05 - Number of Records Trend

  Total Records Management Ledger05 aggregated by AS_OF_DATE.

- Management Ledger05

  Granular table records at FINANCIAL_ELEM_ID level.

Figure 48: Processing Ledger Data – Management Ledger05



5.8 Processing Transaction Summary Data

You can use this report to perform the analysis on the Processing Area Tables related to Transaction Summary Data. The report contains specifically the following Staging Database Objects:

Table 9: Staging Ledger Data Reports

Report Name	Scope	Table Layer	Physical Table List	Logical Table List	Report Canvas Name
Processing Transaction Summary Data	Transaction Summary	FSI–Processing	FSI_D_ASSET_TXNS FSI_D_LIABILITY_TXNS FSI_D_FEE_BASED_SERVICE_TXNS FSI_D_OFF_BALANCE_SHEET_TXNS	Asset Transaction Summary Liability Transaction Summary Fee Based and Other Services Transaction Summary Off Balance Sheet Transaction Summary	Assets Transaction Summary Liabilities Transaction Summary Fee Based Services Transaction Summary Off Balance Sheet Transaction Summary

5.8.1 Asset Transaction Summary

The Asset Transaction Summary Report provides the analysis capability on the Assets Transaction Summary Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

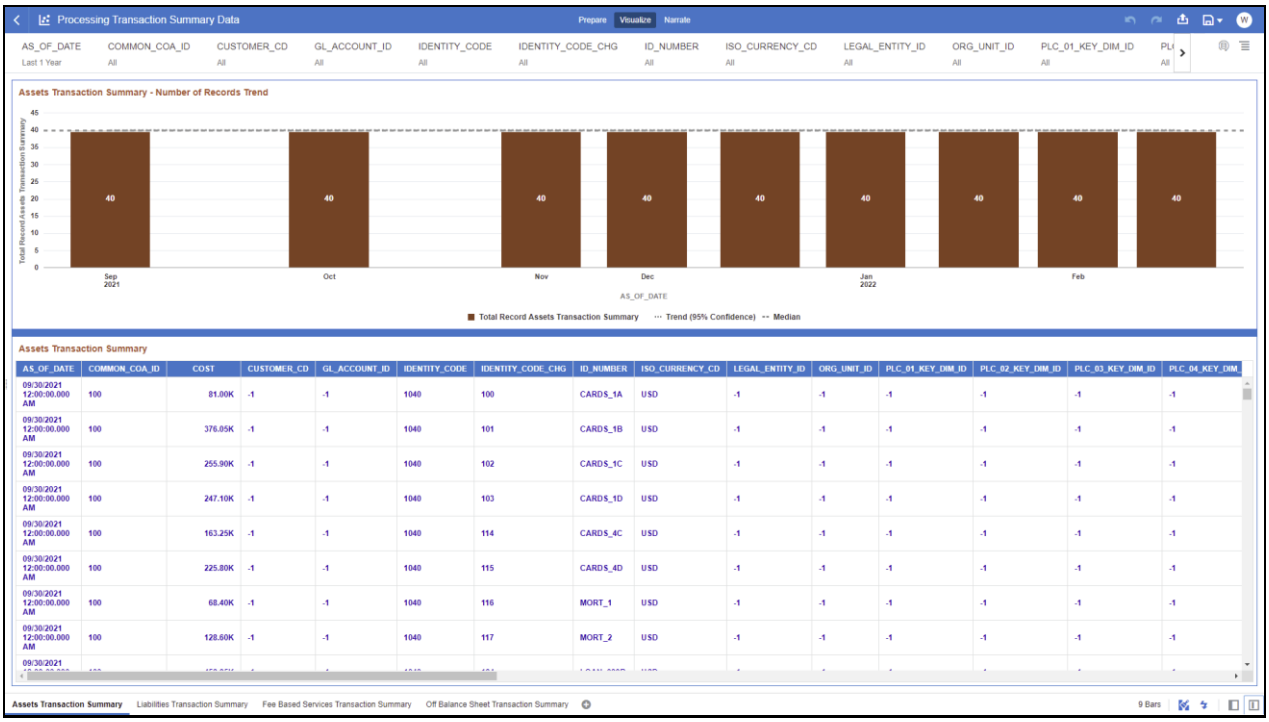
- Assets Transaction Summary - Number of Records Trend

  Total Record Assets Transaction Summary aggregated by AS_OF_DATE.

- Assets Transaction Summary

  Granular table records at ID_NUMBER level.

Figure 49: Processing Transaction Summary Data - Asset Transaction Summary



5.8.2Liabilities Transaction Summary

The Liabilities Transaction Summary Report provides the analysis capability on the Liability Transaction Summary Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

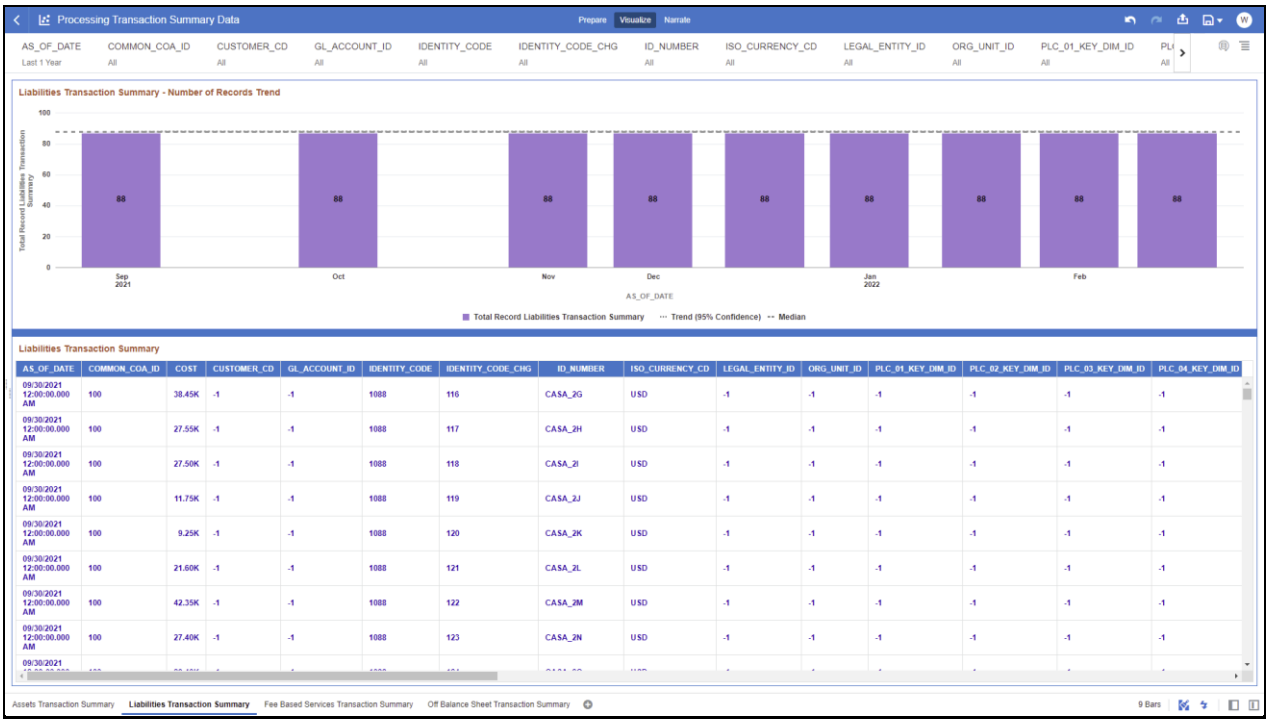
- Liabilities Transaction Summary - Number of Records Trend

  Total Record Liability Transaction Summary aggregated by AS_OF_DATE.

- Liabilities Transaction Summary

  Granular table records at ID_NUMBER level.

Figure 50: Processing Transaction Summary Data – Liabilities Transaction Summary



5.8.3Fee Based Services Transaction Summary

The Fee Based Services Transaction Summary Report provides the analysis capability on the Fee Based and Other Services Transaction Summary Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

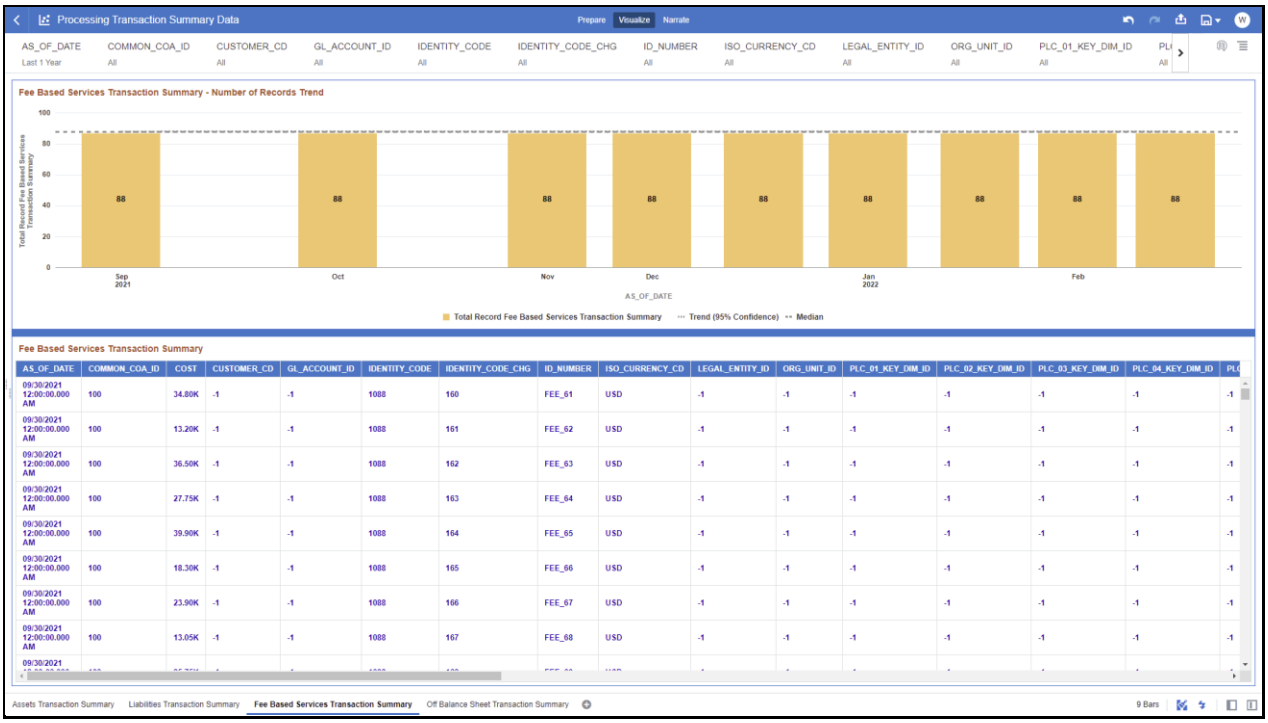
- Fee Based Services Transaction Summary - Number of Records Trend

  Total Record Fee Based Services Transaction Summary aggregated by AS_OF_DATE.

- Fee Based Services Transaction Summary

  Granular table records at ID_NUMBER level.

Figure 51: Processing Transaction Summary Data – Fee Based Services Transaction Summary



5.8.4 Off Balance Sheet Transaction Summary

The Off Balance Sheet Transaction Summary Report provides the analysis capability on the Off Balance Sheet Transaction Summary Table.

You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

The report displays the underlying data according to the following Charts' logic:

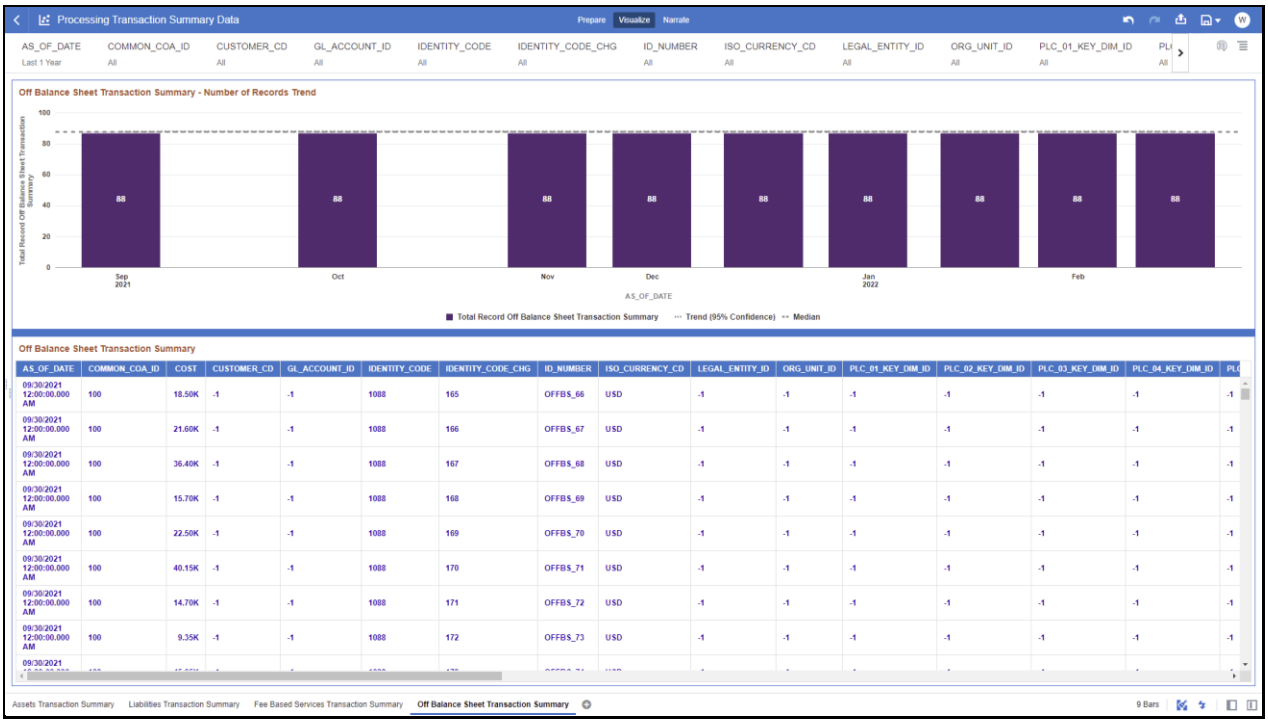
- Off Balance Sheet Transaction Summary - Number of Records Trend

  Total Record Off Balance Sheet Transaction Summary aggregated by AS_OF_DATE.

- Off Balance Sheet Transaction Summary

  Granular table records at ID_NUMBER level.

Figure 52: Processing Transaction Summary Data – Off Balance Sheet Transaction Summary


Processing Transaction Summary Data
Prepare
Visualize
Narrate
AS_OF_DATE
Last 1 Year
COMMON_COA_ID
All
CUSTOMER_CD
All
GL_ACCOUNT_ID
All
IDENTITY_CODE
All
IDENTITY_CODE_CHG
All
ID_NUMBER
All
ISO_CURRENCY_CD
All
LEGAL_ENTITY_ID
All
ORG_UNIT_ID
All
PLC_01_KEY_DIM_ID
All
Off Balance Sheet Transaction Summary - Number of Records Trend
Total Record Off Balance Sheet Transaction Summary
100
80
60
40
20
0
88
Sep 2021
Oct
Nov
Dec
Jan 2022
Feb
AS_OF_DATE
Total Record Off Balance Sheet Transaction Summary
Trend (95% Confidence)
Median
Off Balance Sheet Transaction Summary
AS_OF_DATE
COMMON_COA_ID
COST
CUSTOMER_CD
GL_ACCOUNT_ID
IDENTITY_CODE
IDENTITY_CODE_CHG
ID_NUMBER
ISO_CURRENCY_CD
LEGAL_ENTITY_ID
ORG_UNIT_ID
PLC_01_KEY_DIM_ID
PLC_02_KEY_DIM_ID
PLC_03_KEY_DIM_ID
PLC_04_KEY_DIM_ID
09/30/2021 12:00:00.000 AM
100
18.50K
-1
1088
165
OFFBS_66
USD
09/30/2021 12:00:00.000 AM
100
21.60K
-1
1088
166
OFFBS_67
USD
09/30/2021 12:00:00.000 AM
100
36.40K
-1
1088
167
OFFBS_68
USD
09/30/2021 12:00:00.000 AM
100
15.70K
-1
1088
168
OFFBS_69
USD
09/30/2021 12:00:00.000 AM
100
22.50K
-1
1088
169
OFFBS_70
USD
09/30/2021 12:00:00.000 AM
100
40.15K
-1
1088
170
OFFBS_71
USD
09/30/2021 12:00:00.000 AM
100
14.70K
-1
1088
171
OFFBS_72
USD
09/30/2021 12:00:00.000 AM
100
9.35K
-1
1088
172
OFFBS_73
USD
Assets Transaction Summary
Liabilities Transaction Summary
Fee Based Services Transaction Summary
Off Balance Sheet Transaction Summary
9 Bars

6 Data Insights

To access the PFT Data Insights Report, select **Analytics** from the LHS Menu, and then select **Data Insights**.

6.1 PFT Data Insights

You can use the PFT Data Insights Report to perform analysis on the Direct and Indirect Incomes and Expenses. Direct Incomes and Expenses are directly traceable to the Customer Accounts, while the Indirect Incomes and Expenses need Profitability Allocations to be realized at the Customer Account level.

The Report provides you with the Trend Analysis on the Direct and Indirect Incomes and Expenses components of your Income Statement.

In addition, this Report shows you the Absolute Values and the Variation Percentage of the Metrics over the previous available periods.

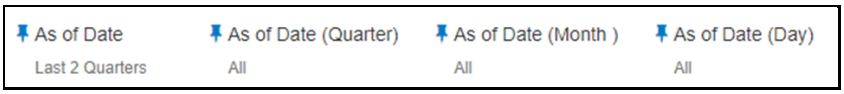
The PFT Data Insights is arranged as a Set of Reports catering to analysis of the following categories:

- "1 – Income & Expenses"
- "2 – Non Interest Incomes"
  - "2.a – Fees"
  - "2.b – Charges and Commissions"
- "3 – Non Interest Expenses"
  - "3.a – Other Non Interest Expenses"
- "4 – Customer Account Details"

6.1.1 Report Common filters

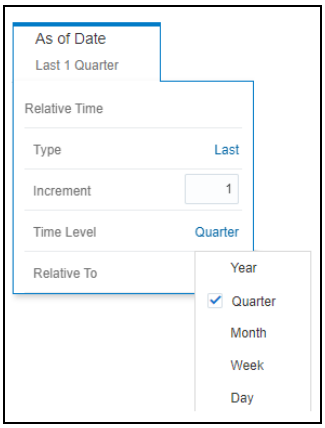
You can use a series of Report Prompts to filter the Data according to Functional Key Attributes as follows:

Figure 53: Canvas Prompt Filters for Time Dimension



- **As-of-Date**: The Execution Period for the Allocation Rules output results. You can use this filter to isolate a selected timeframe for the analysis. The following screenshot displays the possible options that this filter provides against the Time Dimension.

Figure 54: As-of-Date Selection

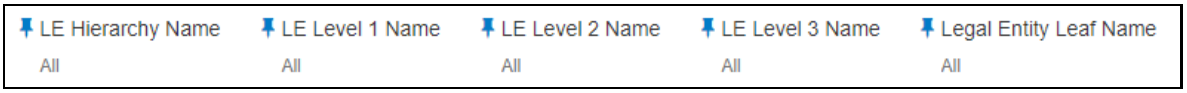


- Additional Filters for the Time Dimension as follows:
  - **As-of-Date (Quarter)**
  - **As-of-Date (Month)**
  - **As-of-Date (Day)**

Figure 55: Canvas Prompt Filters for Simple Dimensions

- **Currency Code**: You can use this filter to select a specific Currency Code for the underlying Instrument Tables Accounts.
- **Instrument Table Name:** You can use this filter to select the Source Instrument Table used by the Allocation Process.
- **Input File Name:** You can use this filter to select the Input File Name that has sourced the data used by the Allocation Process.
- **Account Officer Name:** You can use this filter to select the Account Officer or Account Manager for the underlying Instrument Tables Accounts.
- **Customer Type Name:** You can use this filter to select the Customer Type for the underlying Instrument Tables Accounts.

Figure 56: Canvas Prompt Filters for Legal Entity Key Processing Dimension



- **LE Hierarchy Name**: This is a mandatory filter for the group filtering on Legal Entity Key Processing Dimension.

  As the Application supports the creation of multiple Hierarchies for the same Dimension of analysis, and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select “LE Hierarchy Name” must be selected with only a single value simultaneously.

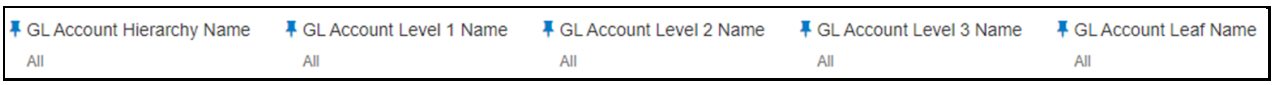
- **LE Level 1 Name:** You can use this filter to select the LE Level 1 Name pertaining to the LE Hierarchy Level 1, for rolling up the results on the underlying Legal Entity Leaf Name that is related to the underlying Instrument Tables Accounts.
- **LE Level 2 Name:** You can use this filter to select the LE Level 2 Name pertaining to the LE Hierarchy Level 2, for rolling up the results on the underlying Legal Entity Leaf Name that is related to the underlying Instrument Tables Accounts.
- **LE Level 3 Name:** You can use this filter to select the LE Level 3 Name pertaining to the LE Hierarchy Level 3, for rolling up the results on the underlying Legal Entity Leaf Name that is related to the underlying Instrument Tables Accounts.
- **Legal Entity Leaf Name:** You can use this filter to select the Legal Entity Leaf Name that is related to the underlying Instrument Tables Accounts.

Figure 57: Canvas Prompt Filters for Common COA Key Processing Dimension

- **Common COA Hierarchy Name**: N.B. this is a mandatory filter for the group filtering on Common COA Key Processing Dimension.

  As the Application supports the creation of multiple hierarchies for the same Dimension of analysis, and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select “Common COA Hierarchy Name” must be selected with only a single value simultaneously.
- **Common COA Level 1 Name:** You can use this filter to select the Common COA Level 1 Name pertaining to the Common COA Hierarchy level 1, for rolling up the results on the underlying Common COA Leaf Name that is related to the underlying Instrument Tables Accounts.
- **Common COA Level 2 Name:** You can use this filter to select the Common COA Level 2 Name pertaining to the Common COA Hierarchy level 2, for rolling up the results on the underlying Common COA Leaf Name that is related to the underlying Instrument Tables Accounts.
- **Common COA Level 3 Name:** You can use this filter to select the Common COA Level 3 Name pertaining to the Common COA Hierarchy level 3, for rolling up the results on the underlying Common COA Leaf Name that is related to the underlying Instrument Tables Accounts.
- **Common COA Leaf Name:** You can use this filter to select the Common COA Leaf Name that is related to the underlying Instrument Tables Accounts.

Figure 58: Canvas Prompt Filters for GL Account Key Processing Dimension



- **GL Account Hierarchy Name**: N.B. this is a mandatory filter for the group filtering on GL Account Key Processing Dimension.

  As the Application supports the creation of multiple hierarchies for the same Dimension of analysis, and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select “GL Account Hierarchy Name” must be selected with only a single value simultaneously.

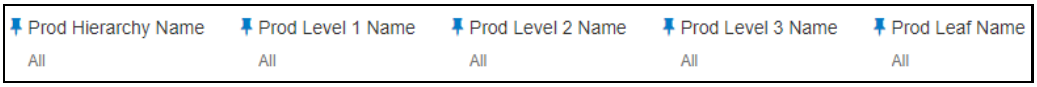
- **GL Account Level 1 Name:** You can use this filter to select the GL Account Level 1 Name pertaining to the GL Account Hierarchy Level 1, for rolling up the results on the underlying GL Account Leaf Name that is related to the underlying Instrument Tables Accounts.
- **GL Account Level 2 Name:** You can use this filter to select the GL Account Level 2 Name pertaining to the GL Account Hierarchy level 2, for rolling up the results on the underlying GL Account Leaf Name that is related to the underlying Instrument Tables Accounts.
- **GL Account Level 3 Name:** You can use this filter to select the GL Account Level 3 Name pertaining to the GL Account Hierarchy level 3, for rolling up the results on the underlying GL Account Leaf Name that is related to the underlying Instrument Tables Accounts.
- **GL Account Leaf Name:** You can use this filter to select the GL Account Leaf Name that is related to the underlying Instrument Tables Accounts.

Figure 59: Canvas Prompt Filters for Org Unit Key Processing Dimension

- **Org Hierarchy Name**: This is a mandatory filter for the group filtering on Org Unit Key Processing Dimension.

  As the Application supports the creation of multiple hierarchies for the same Dimension of analysis, and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select “Org Hierarchy Name” must be selected with only a single value simultaneously.
- **Org Level 1 Name:** You can use this filter to select the Org Level 1 Name pertaining to the Org Unit Hierarchy Level 1, for rolling up the results on the underlying Org Unit Leaf Name that is related to the underlying Instrument Tables Accounts.
- **Org Level 2 Name:** You can use this filter to select the Org Level 2 Name pertaining to the Org Unit Hierarchy Level 2, for rolling up the results on the underlying Org Unit Leaf Name that is related to the underlying Instrument Tables Accounts.
- **Org Level 3 Name:** You can use this filter to select the Org Level 3 Name pertaining to the Org Unit Hierarchy Level 3, for rolling up the results on the underlying Org Unit Leaf Name that is related to the underlying Instrument Tables Accounts.
- **Org Unit Leaf Name:** You can use this filter to select the Org Unit Leaf Name that is related to the underlying Instrument Tables Accounts.

Figure 60: Canvas Prompt Filters for Product key processing dimension



- **Prod Hierarchy Name**: This is a mandatory filter for the group filtering on Product key processing dimension.

  As the Application supports the creation of multiple hierarchies for the same Dimension of analysis, and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select “Prod Hierarchy Name” must be selected with only a single value simultaneously.

- **Prod Level 1 Name:** You can use this filter to select the Prod Level 1 Name pertaining to the Product Hierarchy Level 1, for rolling up the results on the underlying Prod Leaf Name that is related to the underlying Instrument Tables Accounts.
- **Prod Level 2 Name:** You can use this filter to select the Prod Level 2 Name pertaining to the Product Hierarchy Level 2, for rolling up the results on the underlying Prod Leaf Name that is related to the underlying Instrument Tables Accounts.
- **Prod Level 3 Name:** You can use this filter to select the Prod Level 3 Name pertaining to the Product Hierarchy Level 3, for rolling up the results on the underlying Prod Leaf Name that is related to the underlying Instrument Tables Accounts.
- **Prod Leaf Name:** You can use this filter to select the Prod Leaf Name that is related to the underlying Instrument Tables Accounts.

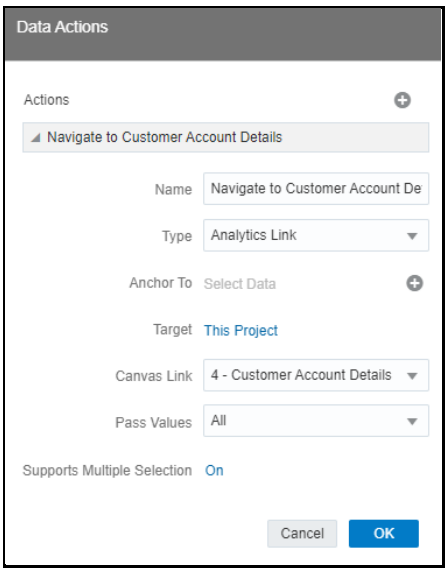
Figure 61: Canvas Prompt Filters for Standard Dimensions

- **Branch Leaf Name**: You can use this filter to select a specific Branch value at leaf level related to the underlying Instrument Tables Accounts.
- **Geography Leaf Name:** You can use this filter to select a specific Geography value at leaf level related to the underlying Instrument Tables Accounts.
- **Industry Leaf Name:** You can use this filter to select a specific Industry value at leaf level related to the underlying Instrument Tables Accounts.

6.1.2 Report Data Action

The report provides the capability to look at the Allocation Measurements underlying Customer Account Details via a Data Action. The following are the Data Action Configuration details:

Figure 62 Data Action Configuration



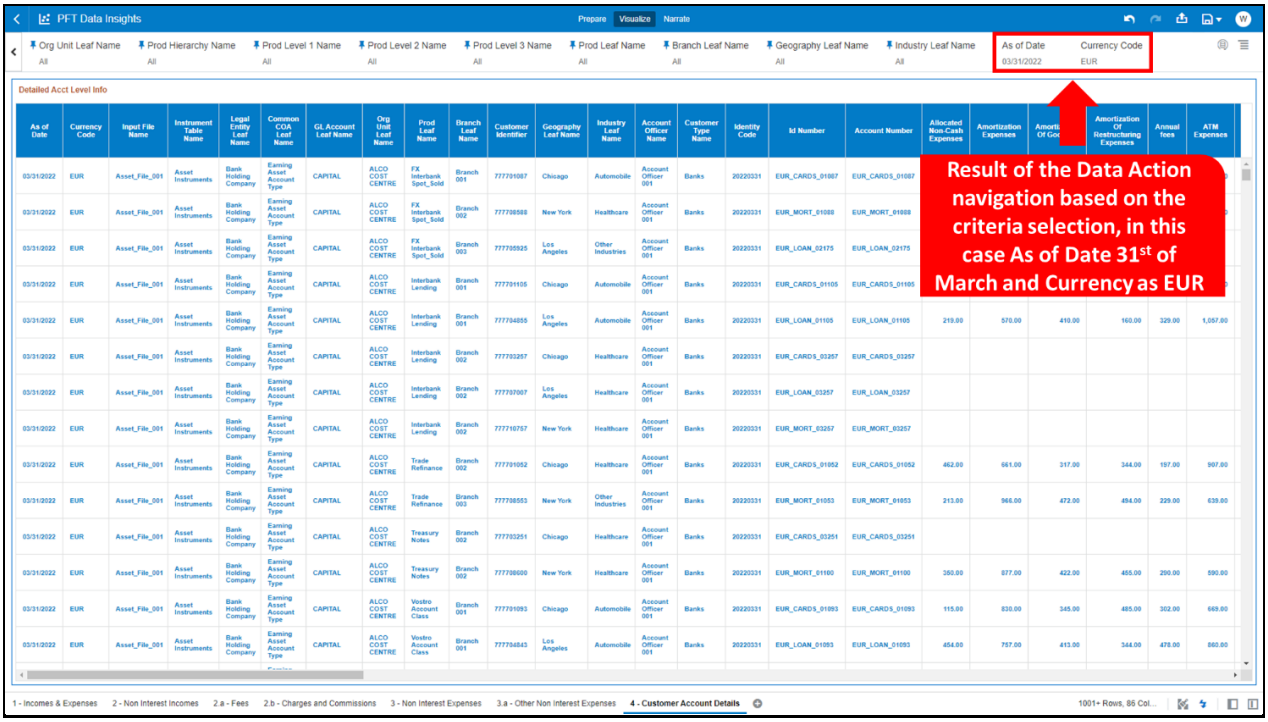
From every chart available in the Report, except for the last canvas “4 – Customer Account Detail” that provides the actual underlying Customer Account Level Results, you can select a value, and then navigate to the related Customer Account Details.

To do so, with a right-click on the Chart Selection, the Data Action option will appear for you to be able to navigate further at the Customer Account Details.

The following two screenshots are showing the procedure you have to follow. The first one shows how to perform the Data Action on a specific selection, and the second one the result of this Data Action Navigation.

Figure 63 Use Data Action to Navigate to Customer Account Details

Figure 64 Result of Data Action Navigation



6.1.3 "1 - Incomes & Expenses"

The "1 - Incomes & Expenses" Report provides a view of the descriptive analytics related to the heads of Income and Expenses.

You can use a series of Report Prompts, as previously described, to filter the data according to Key Attributes pertaining to the underlying Instrument Tables Accounts.

The report displays the underlying data according to the following Charts' logic:

- Interest Income

  The chart displays the absolute value for the ***Interest Income***, as well as the relative percentage variation ***Interest Income – Variation %***, that is calculated over the previous period available ***Interest Income*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Interest Expense

  The chart displays the absolute value for the ***Interest Expense***, as well as the relative percentage variation ***Interest Expense – Variation %***, that is calculated over the previous period available ***Interest Expense*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Non Interest Income

  The chart displays the absolute value for the ***Non Interest Income***, as well as the relative percentage variation ***Non Interest Income – Variation %***, that is calculated over the previous period available ***Non Interest Income*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Non Interest Expense

  The chart displays the absolute value for the ***Non Interest Expense***, as well as the relative percentage variation ***Non Interest Expense – Variation %***, that is calculated over the previous period available ***Non Interest Expense*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- TP Charge

  The chart displays the absolute value for the ***TP Charge***, as well as the relative percentage variation ***TP Charge – Variation %***, that is calculated over the previous period available ***TP Charge*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- TP Credit

  The chart displays the absolute value for the ***TP Credit***, as well as the relative percentage variation ***TP Credit – Variation %***, that is calculated over the previous period available ***TP Credit*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

Figure 65 "1 - Incomes & Expenses" Report

6.1.4 "2 – Non-Interest Incomes"

The "2 - Non Interest Incomes" Report provides a view of the descriptive analytics related to the heads of Non Interest Incomes.

You can use a series of Report Prompts, as previously described, to filter the data according to key attributes pertaining to the underlying Instrument Tables Accounts.

The report displays the underlying data according to the following Charts' logic:

- Non Interest Income

The chart displays the absolute value for the ***Non Interest Income***, as well as the relative percentage variation ***Non Interest Income – Variation %***, that is calculated over the previous period available ***Non Interest Income*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Charges

  The chart displays the absolute value for the ***Charges***, as well as the relative percentage variation ***Charges – Variation %***, that is calculated over the previous period available ***Charges*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Commissions

  The chart displays the absolute value for the ***Commissions***, as well as the relative percentage variation ***Commissions – Variation %***, that is calculated over the previous period available ***Commissions*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

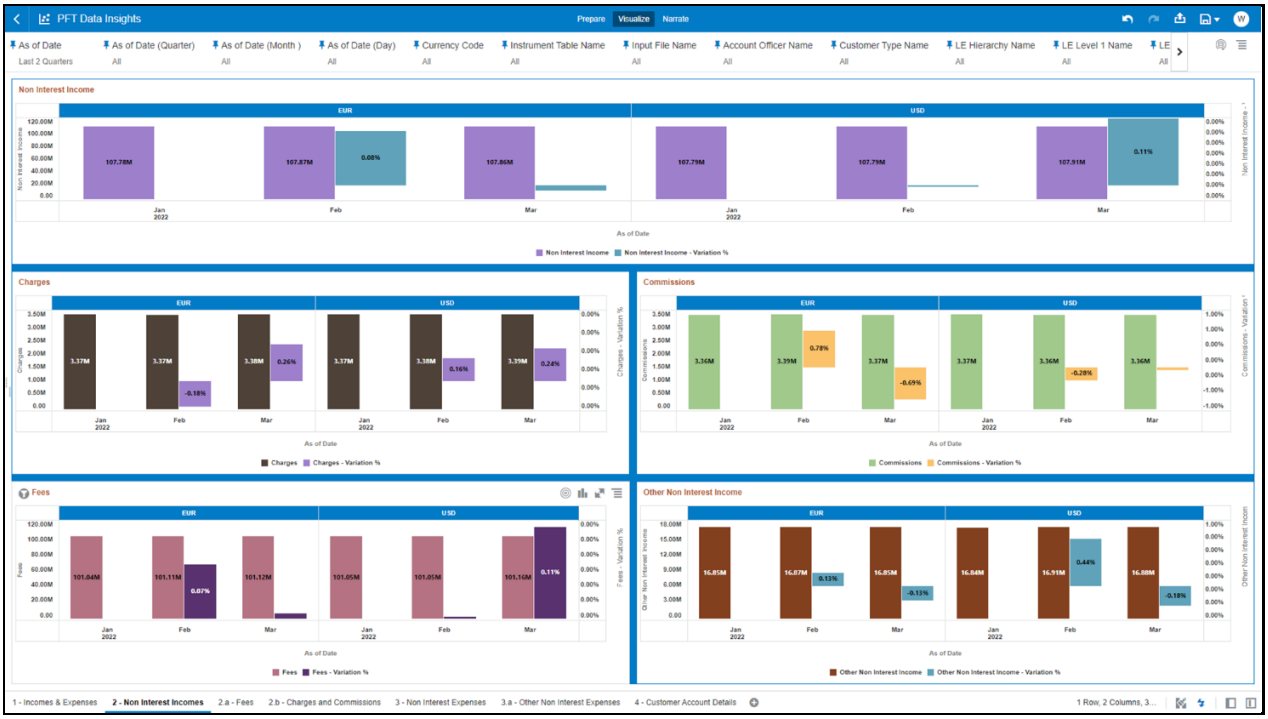
- Fees

  The chart displays the absolute value for the ***Fees***, as well as the relative percentage variation ***Fees – Variation %***, that is calculated over the previous period available ***Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Other Non Interest Income

  The chart displays the absolute value for the ***Other Non Interest Income***, as well as the relative percentage variation ***Other Non Interest Income – Variation %***, that is calculated over the previous period available ***Other Non Interest Income*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

Figure 66 "2 - Non Interest Incomes" Report



6.1.5 "2.a – Fees"

The "2.a – Fees" Report provides a view of the descriptive analytics related to the heads of Fees.

You can use a series of Report Prompts, as previously described, to filter the data according to key attributes pertaining to the underlying Instrument Tables Accounts.

The report displays the underlying data according to the following Charts' logic:

- Annual Fees

  The chart displays the absolute value for the ***Annual Fees***, as well as the relative percentage variation ***Annual Fees – Variation %***, that is calculated over the previous period available ***Annual Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Balance Transfer Fees

  The chart displays the absolute value for the ***Balance Transfer Fees***, as well as the relative percentage variation ***Balance Transfer Fees – Variation %***, that is calculated over the previous period available ***Balance Transfer Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Cash Advance Fees

  The chart displays the absolute value for the ***Cash Advance Fees***, as well as the relative percentage variation ***Cash Advance Fees – Variation %***, that is calculated over the previous period available ***Cash Advance Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Commitment Fees

  The chart displays the absolute value for the ***Commitment Fees***, as well as the relative percentage variation ***Commitment Fees – Variation %***, that is calculated over the previous period available ***Commitment Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Convenience Fees

  The chart displays the absolute value for the ***Convenience Fees***, as well as the relative percentage variation ***Convenience Fees – Variation %***, that is calculated over the previous period available ***Convenience Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Customer Service Fees

  The chart displays the absolute value for the ***Customer Service Fees***, as well as the relative percentage variation ***Customer Service Fees – Variation %***, that is calculated over the previous period available ***Customer Service Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Early Redemption Fees

  The chart displays the absolute value for the ***Early Redemption Fees***, as well as the relative percentage variation ***Early Redemption Fees – Variation %***, that is calculated over the previous period available ***Early Redemption Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Foreign Transaction Fees

The chart displays the absolute value for the ***Foreign Transaction Fees***, as well as the relative percentage variation ***Foreign Transaction Fees – Variation %***, that is calculated over the previous period available ***Foreign Transaction Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Interchange Fees

  The chart displays the absolute value for the ***Interchange Fees***, as well as the relative percentage variation ***Interchange Fees – Variation %***, that is calculated over the previous period available ***Interchange Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Late Fees

  The chart displays the absolute value for the ***Late Fees***, as well as the relative percentage variation ***Late Fees – Variation %***, that is calculated over the previous period available ***Late Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Management Fees

  The chart displays the absolute value for the ***Management Fees***, as well as the relative percentage variation ***Management Fees – Variation %***, that is calculated over the previous period available ***Management Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Origination Fees

  The chart displays the absolute value for the ***Origination Fees***, as well as the relative percentage variation ***Origination Fees – Variation %***, that is calculated over the previous period available ***Origination Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Other Fees

  The chart displays the absolute value for the ***Other Fees***, as well as the relative percentage variation ***Other Fees – Variation %***, that is calculated over the previous period available ***Other Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Over Limit Fees

  The chart displays the absolute value for the ***Over Limit Fees***, as well as the relative percentage variation ***Over Limit Fees – Variation %***, that is calculated over the previous period available ***Over Limit Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Overdraft Fees

  The chart displays the absolute value for the ***Overdraft Fees***, as well as the relative percentage variation ***Overdraft Fees – Variation %***, that is calculated over the previous period available ***Overdraft Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Prepayment Fees

  The chart displays the absolute value for the ***Prepayment Fees***, as well as the relative percentage variation ***Prepayment Fees – Variation %***, that is calculated over the previous period available

Prepayment Fees value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Processing Fees

  The chart displays the absolute value for the ***Processing Fees***, as well as the relative percentage variation ***Processing Fees – Variation %***, that is calculated over the previous period available ***Processing Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Statement Fees

  The chart displays the absolute value for the ***Statement Fees***, as well as the relative percentage variation ***Statement Fees – Variation %***, that is calculated over the previous period available ***Statement Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Total Waived Fees

  The chart displays the absolute value for the ***Total Waived Fees***, as well as the relative percentage variation ***Total Waived Fees – Variation %***, that is calculated over the previous period available ***Total Waived Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Transaction Fees

  The chart displays the absolute value for the ***Transaction Fees***, as well as the relative percentage variation ***Transaction Fees – Variation %***, that is calculated over the previous period available ***Transaction Fees*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

Figure 67 "2.a – Fees" Report

6.1.6 "2.b - Charges and Commissions"

The "2.b - Charges and Commissions" Report provides a view of the descriptive analytics related to the heads of Charges and Commissions.

You can use a series of Report Prompts, as previously described, to filter the data according to key attributes pertaining to the underlying Instrument Tables Accounts.

The report displays the underlying data according to the following Charts' logic:

- Charge for Central Bank Reserves

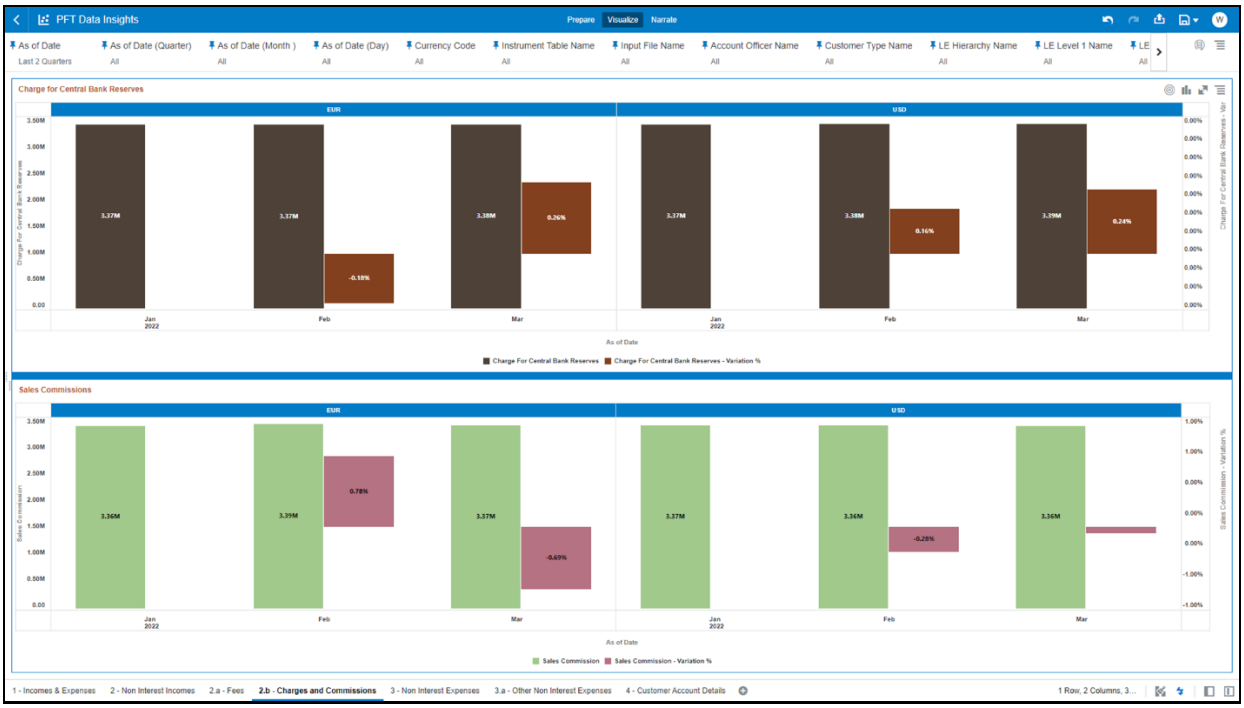
  The chart displays the absolute value for the ***Charge for Central Bank Reserves***, as well as the relative percentage variation ***Charge for Central Bank Reserves – Variation %***, that is calculated over the previous period available ***Charge for Central Bank Reserves*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Sales Commissions

  The chart displays the absolute value for the ***Sales Commissions***, as well as the relative percentage variation ***Sales Commissions – Variation %***, that is calculated over the previous period available

Sales Commissions value. The results are displayed according to the As-of-Date and split by the Currency Code.

Figure 68 "2.b - Charges and Commissions" Report



6.1.7 "3 - Non Interest Expenses"

The "3 - Non Interest Expenses" Report provides a view of the descriptive analytics related to the heads of Non Interest Expenses.

You can use a series of Report Prompts, as previously described, to filter the data according to key attributes pertaining to the underlying Instrument Tables Accounts.

The report displays the underlying data according to the following Charts' logic:

- Total Account Expenses

  The chart displays the absolute value for the ***Total Account Expenses***, as well as the relative percentage variation ***Total Account Expenses – Variation %***, that is calculated over the previous period available ***Total Account Expenses*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Total Distribution Expense

  The chart displays the absolute value for the ***Total Distribution Expense***, as well as the relative percentage variation ***Total Distribution Expense – Variation %***, that is calculated over the previous period available ***Total Distribution Expense*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Total Processing Expense

  The chart displays the absolute value for the ***Total Processing Expense***, as well as the relative percentage variation ***Total Processing Expense – Variation %***, that is calculated over the previous

period available ***Total Processing Expense*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Total Tax Expenses

  The chart displays the absolute value for the ***Total Tax Expenses***, as well as the relative percentage variation ***Total Tax Expenses – Variation %***, that is calculated over the previous period available ***Total Tax Expenses*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Total Brand Management Expenses

  The chart displays the absolute value for the ***Total Brand Management Expenses***, as well as the relative percentage variation ***Total Brand Management Expenses – Variation %***, that is calculated over the previous period available ***Total Brand Management Expenses*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Marketing Expense

  The chart displays the absolute value for the ***Marketing Expense***, as well as the relative percentage variation ***Marketing Expense – Variation %***, that is calculated over the previous period available ***Marketing Expense*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Business Development Expense

  The chart displays the absolute value for the ***Business Development Expense***, as well as the relative percentage variation ***Business Development Expense – Variation %***, that is calculated over the previous period available ***Business Development Expense*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Branch Management Expenses

  The chart displays the absolute value for the ***Branch Management Expenses***, as well as the relative percentage variation ***Branch Management Expenses – Variation %***, that is calculated over the previous period available ***Branch Management Expenses*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Retail Operations Expense

  The chart displays the absolute value for the ***Retail Operations Expense***, as well as the relative percentage variation ***Retail Operations Expense – Variation %***, that is calculated over the previous period available ***Retail Operations Expense*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- ATM Expenses

  The chart displays the absolute value for the ***ATM Expenses***, as well as the relative percentage variation ***ATM Expenses – Variation %***, that is calculated over the previous period available ***ATM Expenses*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Branch Teller Expenses

  The chart displays the absolute value for the ***Branch Teller Expenses***, as well as the relative percentage variation ***Branch Teller Expenses – Variation %***, that is calculated over the previous

period available ***Branch Teller Expenses*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Electronic Banking Expenses

  The chart displays the absolute value for the ***Electronic Banking Expenses***, as well as the relative percentage variation ***Electronic Banking Expenses – Variation %***, that is calculated over the previous period available ***Electronic Banking Expenses*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Interchange Expense Amount

  The chart displays the absolute value for the ***Interchange Expense Amount***, as well as the relative percentage variation ***Interchange Expense Amount – Variation %***, that is calculated over the previous period available ***Interchange Expense Amount*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Infrastructure Expense

  The chart displays the absolute value for the ***Infrastructure Expense***, as well as the relative percentage variation ***Infrastructure Expense – Variation %***, that is calculated over the previous period available ***Infrastructure Expense*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Fixed Expense

  The chart displays the absolute value for the ***Fixed Expense***, as well as the relative percentage variation ***Fixed Expense – Variation %***, that is calculated over the previous period available ***Fixed Expense*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Staff Costs

  The chart displays the absolute value for the ***Staff Costs***, as well as the relative percentage variation ***Staff Costs – Variation %***, that is calculated over the previous period available ***Staff Costs*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Loan Processing Expenses

  The chart displays the absolute value for the ***Loan Processing Expenses***, as well as the relative percentage variation ***Loan Processing Expenses – Variation %***, that is calculated over the previous period available ***Loan Processing Expenses*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Loan Loss Provision

  The chart displays the absolute value for the ***Loan Loss Provision***, as well as the relative percentage variation ***Loan Loss Provision – Variation %***, that is calculated over the previous period available ***Loan Loss Provision*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Allocated Non-Cash Expenses

  The chart displays the absolute value for the ***Allocated Non-Cash Expenses***, as well as the relative percentage variation ***Allocated Non-Cash Expenses – Variation %***, that is calculated over the previous period available ***Allocated Non-Cash Expenses*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

- Amortization Expenses

  The chart displays the absolute value for the ***Amortization Expenses***, as well as the relative percentage variation ***Amortization Expenses – Variation %***, that is calculated over the previous period available ***Amortization Expenses*** value. The results are displayed according to the As-of-Date and split by the Currency Code.

Figure 69 "3 - Non Interest Expenses" Report

6.1.8 "3.a - Other Non Interest Expenses"

The "3.a - Other Non Interest Expenses" Report provides a view of the descriptive analytics related to the heads of Other Non Interest Expenses.

You can use a series of Report Prompts, as previously described, to filter the data according to key attributes pertaining to the underlying Instrument Tables Accounts.

The report displays the underlying data according to the following Charts' logic:

- Other Expenses Variation% breakdown (valid for both Pivot table chart and Bar Chart)

The chart displays the relative percentage variation for the following metrics, that are calculated over the previous period available corresponding metrics values.

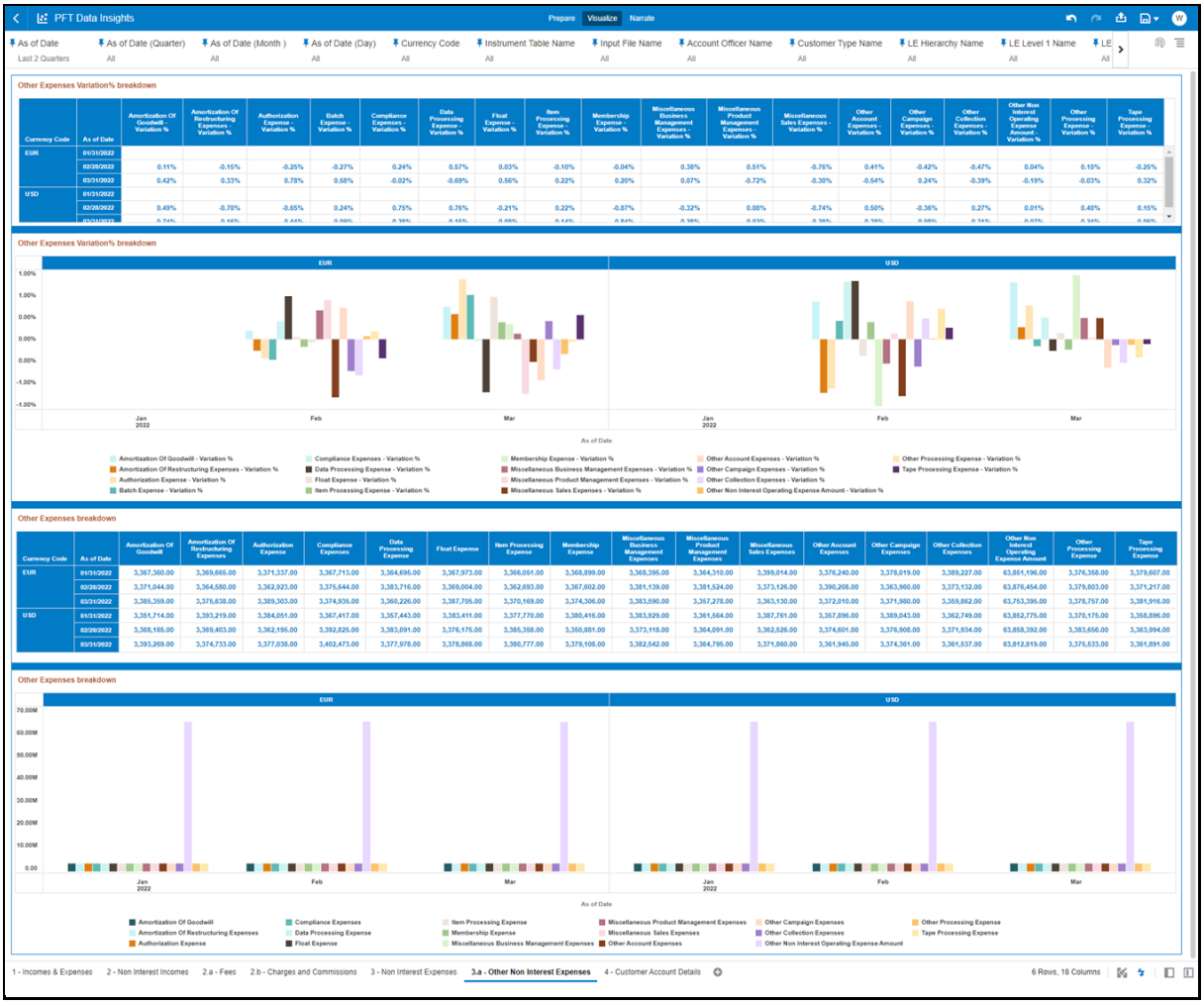
The results are displayed according to the As-of-Date and split by the Currency Code.

- Amortization Of Goodwill - Variation %
- Amortization Of Restructuring Expenses - Variation %
- Authorization Expense - Variation %
- Batch Expense - Variation %
- Compliance Expenses - Variation %
- Data Processing Expense - Variation %
- Float Expense - Variation %
- Item Processing Expense - Variation %
- Membership Expense - Variation %
- Miscellaneous Business Management Expenses - Variation %
- Miscellaneous Product Management Expenses - Variation %
- Miscellaneous Sales Expenses - Variation %
- Other Account Expenses - Variation %
- Other Campaign Expenses - Variation %
- Other Collection Expenses - Variation %
- Other Non Interest Operating Expense Amount - Variation %
- Other Processing Expense - Variation %
- Tape Processing Expense - Variation %

- Other Expenses breakdown (valid for both Pivot table chart and Bar Chart)
  The chart displays the absolute value for the following metrics.
  The results are displayed according to the As-of-Date and split by the Currency Code.
  - Amortization Of Goodwill
  - Amortization Of Restructuring Expenses
  - Authorization Expense
  - Compliance Expenses
  - Data Processing Expense
  - Float Expense
  - Item Processing Expense
  - Membership Expense
  - Miscellaneous Business Management Expenses
  - Miscellaneous Product Management Expenses

- Miscellaneous Sales Expenses
- Other Account Expenses
- Other Campaign Expenses
- Other Collection Expenses
- Other Non Interest Operating Expense Amount
- Other Processing Expense
- Tape Processing Expense

Figure 70 "3.a - Other Non Interest Expenses" Report



6.1.9 "4 - Customer Account Details"

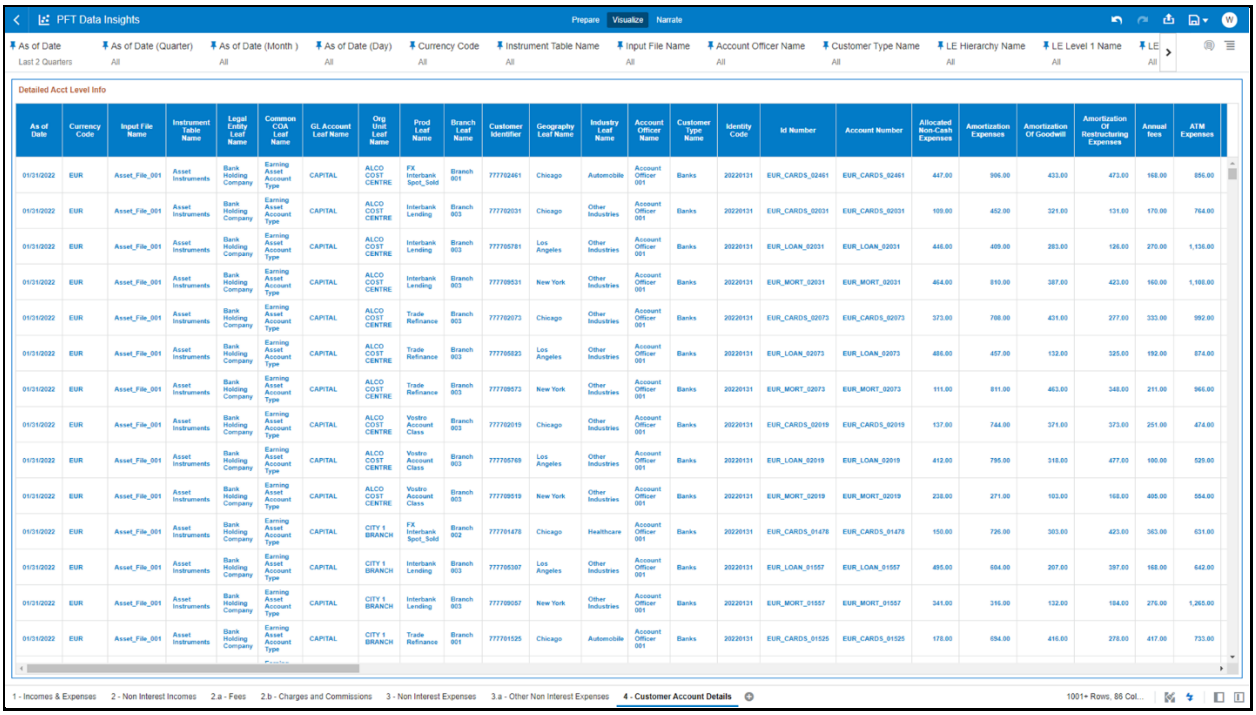
The "4 - Customer Account Details" Report provides a view of the underlying instrument tables Customer Accounts details.

You can use a series of Report Prompts, as previously described, to filter the data according to key attributes pertaining to the underlying Instrument Tables Accounts.

The report displays the underlying data according to the following Chart' logic:

- Detailed Acct Level Info
  The tabular report displays all the dimensions and the measures, available at the Account level granularity, that have been displayed in all the other previously described report categories. Following the granular elements available for this table chart:
  - "As-of-Date", "Currency Code", "Input File Name", "Instrument Table Name", "Legal Entity Leaf Name", "Common COA Leaf Name", "GL Account Leaf Name", "Org Unit Leaf Name", "Prod Leaf Name", "Branch Leaf Name", "Customer Identifier", "Geography Leaf Name", "Industry Leaf Name", "Account Officer Name", "Customer Type Name", "Identity Code", "Id Number", "Account Number", "Allocated Non-Cash Expenses", "Amortization Expenses", "Amortization Of Goodwill", "Amortization Of Restructuring Expenses", "Annual fees", "ATM Expenses", "Authorization Expense", "Balance Transfer fees", "Branch Management Expenses", "Branch Teller Expenses", "Cash Advance fees", "Charge For Central Bank Reserves", "Charges", "Commissions", "Commitment fees", "Compliance Expenses", "Convenience fees", "Customer Service fees", "Data Processing Expense", "Early Redemption Fees", "Electronic Banking Expense", "Fees", "Fixed Expense", "Float Expense", "Foreign Transaction fees", "Infrastructure Expense", "Interchange Expense Amount", "Interchange fees", "Interest Expense", "Interest Income", "Item Processing Expense", "Late fees", "Loan Loss Provision", "Loan Processing Expenses", "Management Fees", "Marketing Expense", "Membership Expense", "Miscellaneous Business Management Expenses", "Miscellaneous Product Management Expenses", "Miscellaneous Sales Expenses", "Non Interest Expense", "Non Interest Income", "Origination fees", "Other Account Expenses", "Other Campaign Expenses", "Other Collection Expenses", "Other fees", "Other Non Interest Income", "Other Non Interest Operating Expense Amount", "Other Processing Expense", "Over Limit fees", "Overdraft fees", "Prepayment fees", "Processing fees", "Retail Operations Expense", "Sales Commission", "Staff Costs", "Statement fees", "Tape Processing Expense", "Total Account Expenses", "Total Brand Management Expenses", "Total Distribution Expense", "Total Processing Expense", "Total Tax Expenses", "Total Waived Fees", "TP Charge", "TP Credit", "Transaction fees".

Figure 71 "4 - Customer Account Details" Report


PFT Data Insights
Prepare
Visualize
Narrate
As of Date
Last 2 Quarters
As of Date (Quarter)
As of Date (Month)
As of Date (Day)
Currency Code
Instrument Table Name
Input File Name
Account Officer Name
Customer Type Name
LE Hierarchy Name
LE Level 1 Name
Detailed Acct Level Info
1 - Incomes & Expenses
2 - Non Interest Incomes
2.a - Fees
2.b - Charges and Commissions
3 - Non Interest Expenses
3.a - Other Non Interest Expenses
4 - Customer Account Details
1001+ Rows, 86 Col...

7 Processing Analytics

To access the Processing Analytics Report, select **Analytics** from the LHS Menu, and then select **Processing Analytics**.

7.1 Allocation Performance Analysis

You can use the Allocation Performance Analysis Report to perform analysis on the Allocation Statistics. In particular, you can look at multiple periods for the Allocation Executions as well as concentrate the analysis focus on a single execution period.

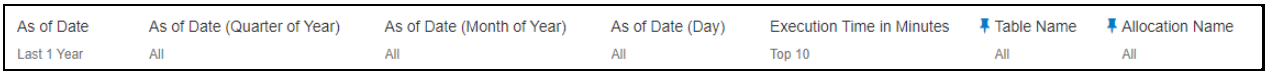
Using this LHS link, you will be redirected to the UI with the related report, as explained in the following section.

7.1.1 Multi-Period Analysis

You can use the Multi-Periods Analysis Report section to analyze the Allocation Execution Performances across different periods.

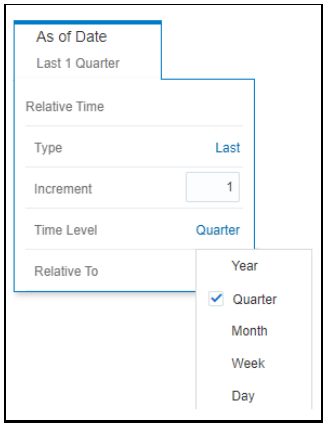
You can use a series of Report Prompts to filter the data according to Functional Key Attributes as described below:

Figure 72: Canvas Prompt Filters



- **As of Date**: The Execution Period for the Allocation Rules. You can use this filter to isolate a selected timeframe for the analysis. The following screenshot displays the possible options that this filter provides against the Time Dimension.

Figure 73: As-of-Date Selection

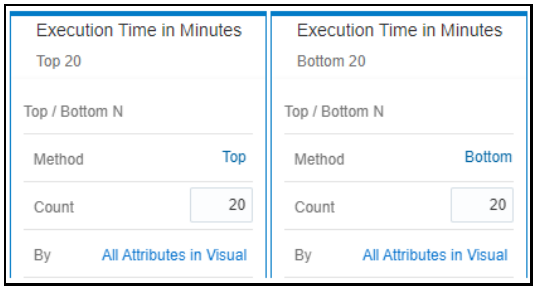


- Additional Filters for the Time Dimension as follows:
  - **As of Date (Quarter of Year)**
  - **As of Date (Month of Year)**
  - **As of Date (Day)**

- **Execution Time in Minutes**: You can use this filter to retrieve the Top/Bottom N Allocation rules based on their Execution Time in Minutes.

  The possible filter options that you can use are selecting either “Top” or “Bottom” in the “Method” option, as well as define a selected number of occurrences (that is, assigning an integer value such as 5, 10, and so on) in the option “Count”.

Figure 74: Execution Time in Minutes for Top/Bottom Selection



- **Table Name**: You can use this filter to select a specific Table Name (one or more) used by the Allocation Rule that has been utilized for processing.
- **Allocation Name:** You can use this filter to select a specific Allocation rule (one or more) used by the different process executions.

The first step is to select in the Charts List Box “Select Period 1”, “Select Period 2”, and “Select Period 3”, the three different periods that will be used to compare across different As-of-Date the performances of the Allocation Rules executed.

The first screenshot shows how to select the First Period, and the subsequent screenshots show how to select the Second and Third Periods.

Figure 75: Select Period 1 for the Allocation Rules Execution

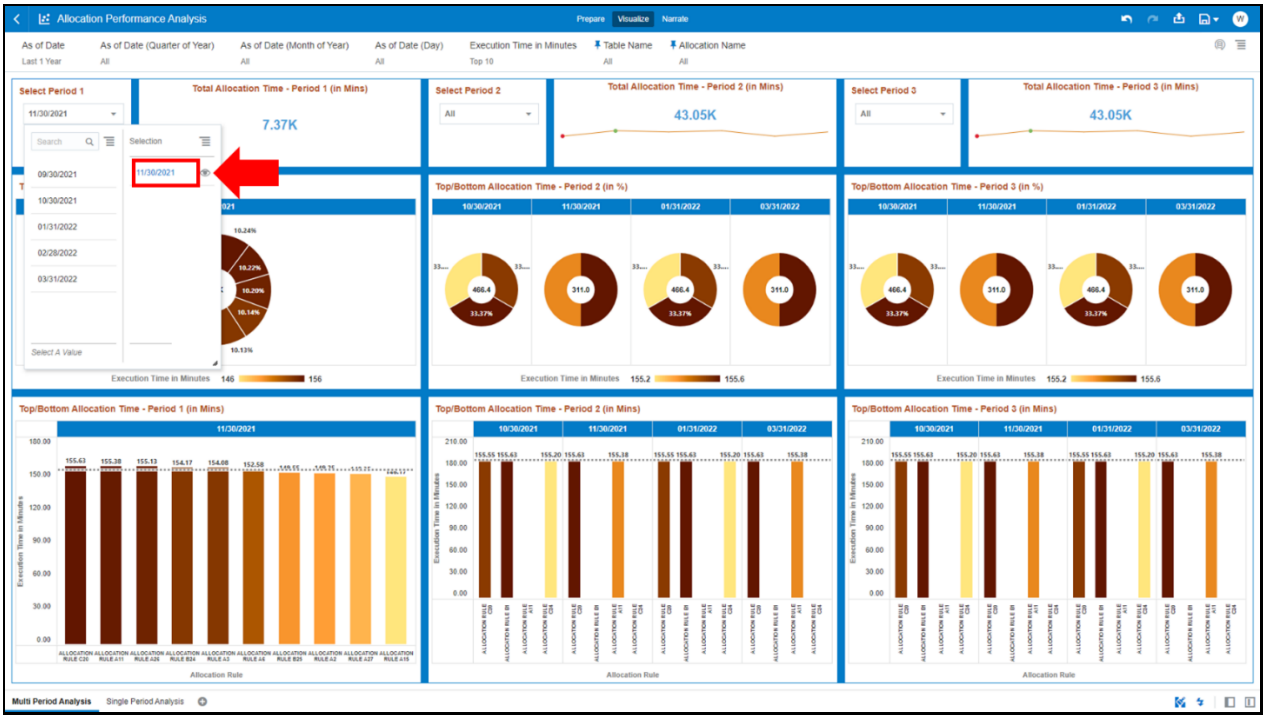


Figure 76: Select Period 2 for the Allocation Rules Execution

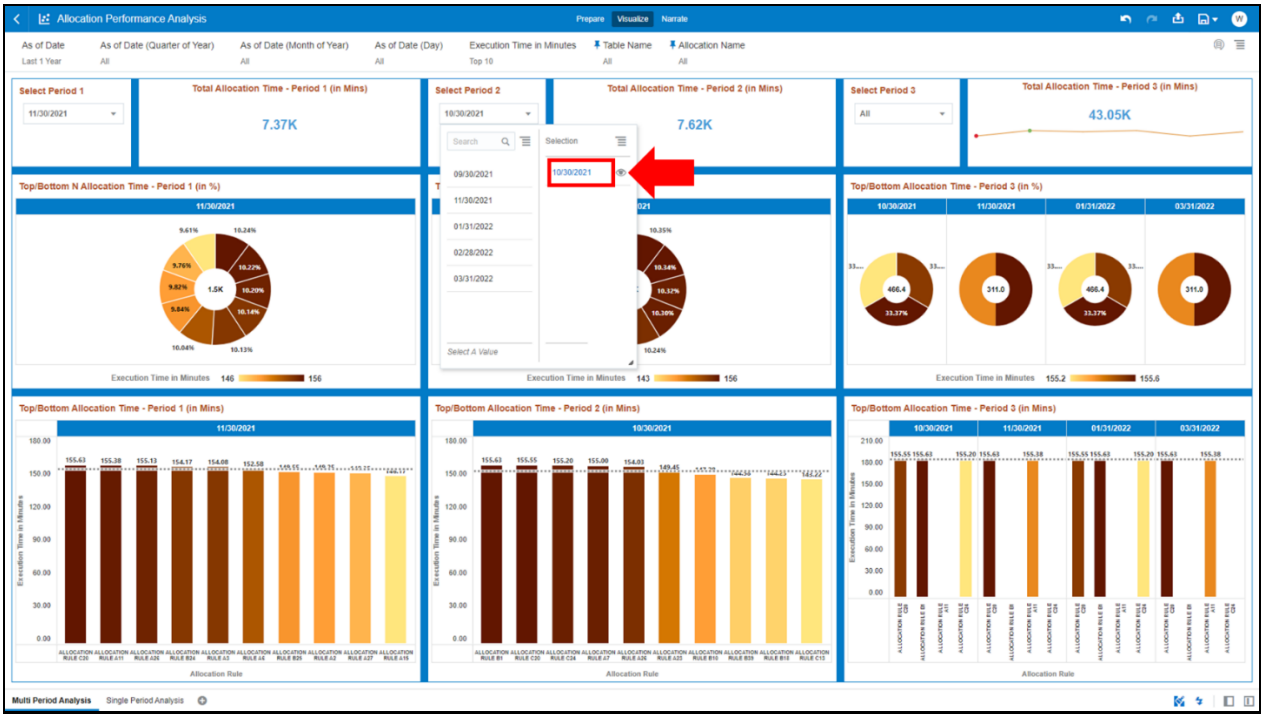
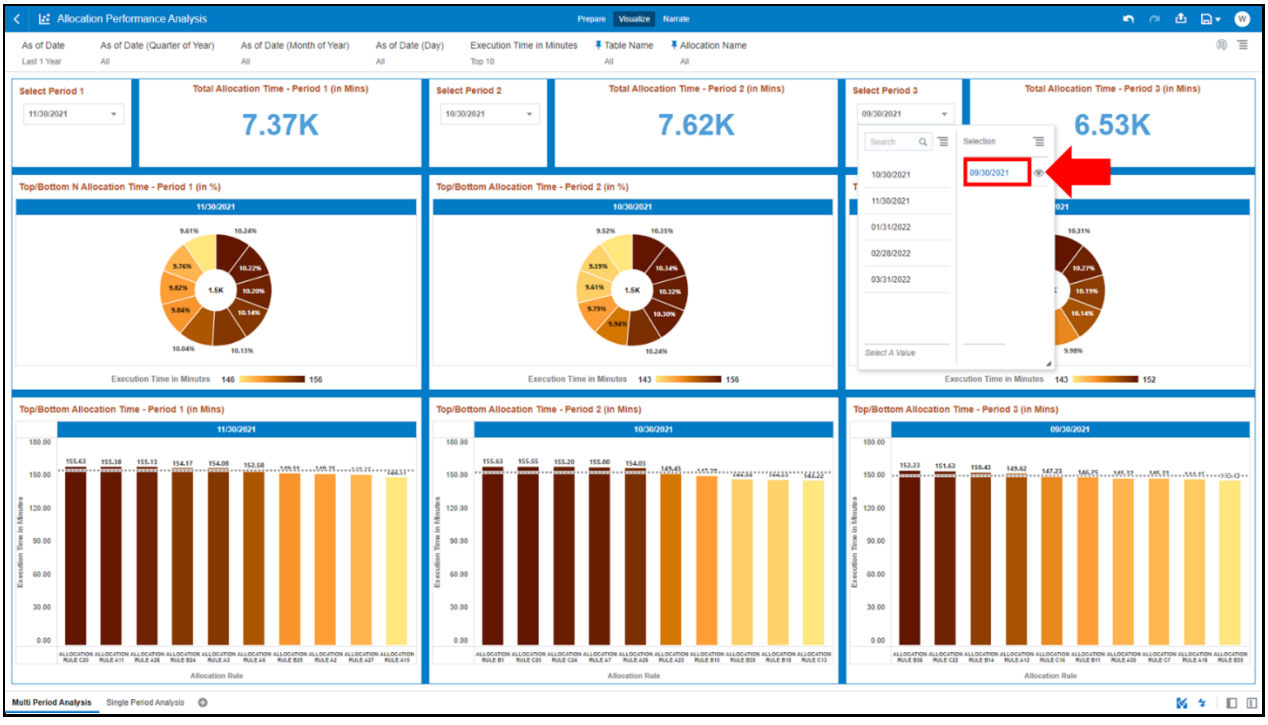


Figure 77: Select Period 3 for the Allocation Rules Execution



The result of the three previous selection steps is shown in the following screenshot. You can compare the multiple periods and analyze the performances across them.

The report displays the underlying data according to the following charts' logic and for the three sections Period 1, Period 2, and Period 3 (the charts description will reference only the "Period 1" as for the other periods the content will be functionally the same):

- Select Period 1 (2 or 3)

  The As-of-Date selected for the Period that you want to analyze.

- Total Allocation Time - Period 1 (2 or 3) (in Mins) – (Tile Chart)

  The total time spent in minutes for all the Allocation Rules executed during the selected period.

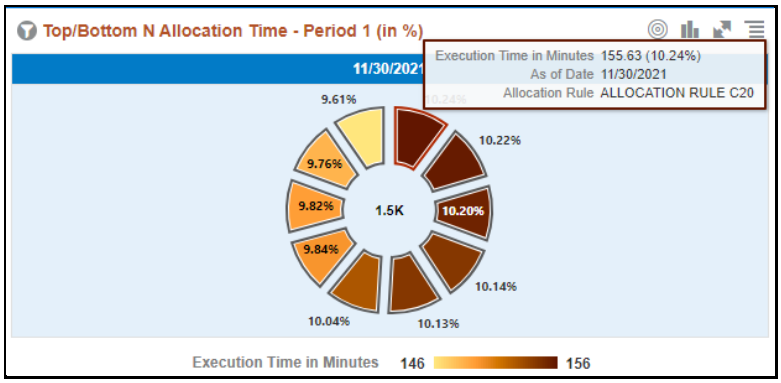
- Top/Bottom N Allocation Time - Period 1 (2 or 3) (in %) – (Pie Chart)

  The chart displays the N Allocation Rules, out of the Top/Bottom N selection (where N is related to the value used in the Report Prompts Filter selection on the "Execution Time in Minutes"; in the screenshot for example we have filtered "Top 10"), sorted by the Allocation Rule Percentage Value.

  The Percentage Value, is calculated based on the "Execution Time in Minutes" spent for the Allocation Rule, out of the total time spent for the Top/Bottom N Allocation Rules selected.

  In the following, we see, for instance, what is the Allocation Rule that needed more time to be executed and that is the one scoring a higher percentage value out of the total time spent within the Top/Bottom N selection.

Figure 78: Top/Bottom N Allocation Time – Period 1 (in %)

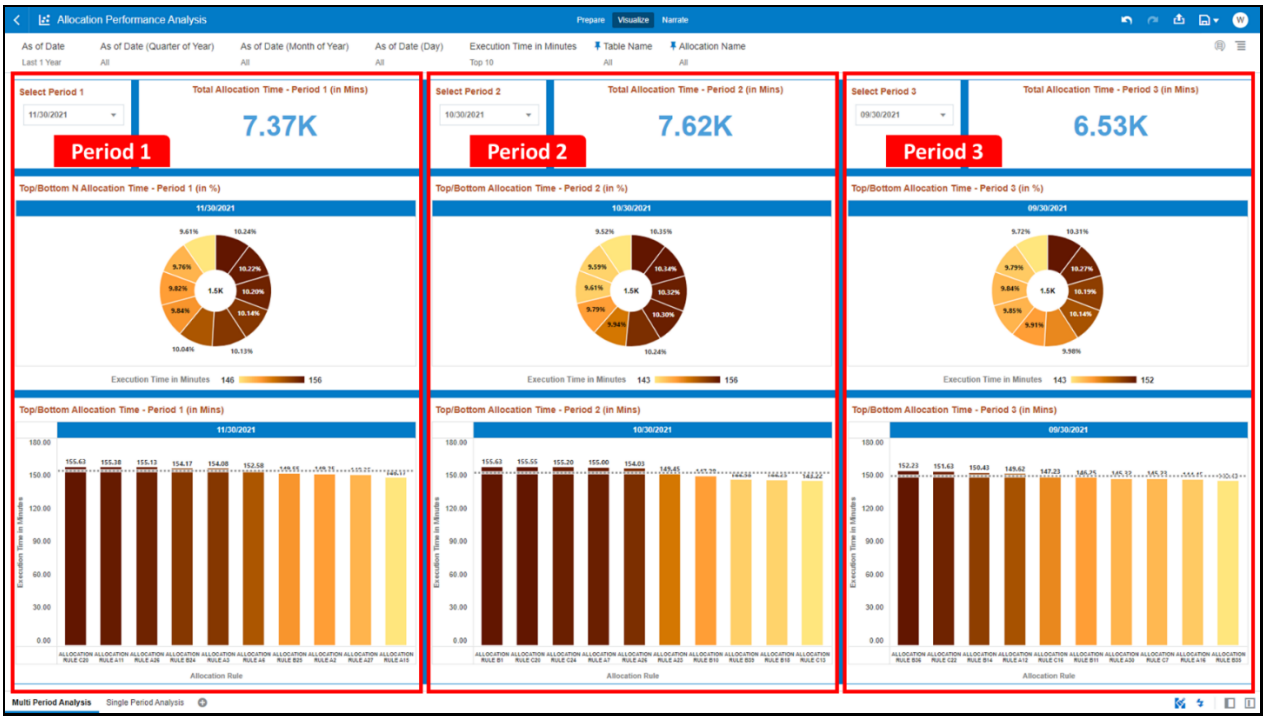


The chart also displays the "Execution Time in Minutes" needed by the Top/Bottom N Allocation Rules (this value is visible at the center of the above pie chart screenshot and in this example is "1.5K" minutes).

- Top/Bottom Allocation Time - Period 1 (2 or 3) (in Mins) – (Bar Chart)

  The chart displays the N Allocation Rules, out of the Top/Bottom N selection, sorted by the "Execution Time in Minutes" in descending order.

Figure 79: Allocation Performance Analysis – Multi Period Analysis



7.1.2 Single Period Analysis

You can use this report section to analyze the Allocation Execution Performances within a Single Period.

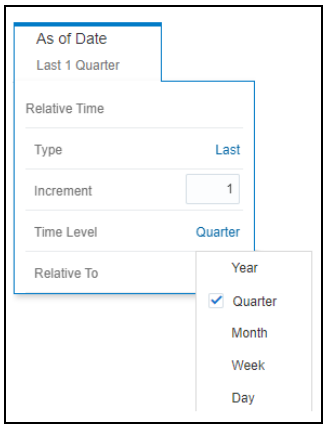
You can use a series of Report Prompts to filter the data according to Functional Key Attributes as described (note that for this report section the "As-of-Date (Day)" filter is a mandatory filter and must be used with one selection value only at the same time):

Figure 80: Canvas Prompt Filters

- **As of Date**: The Execution Period for the Allocation Rules.

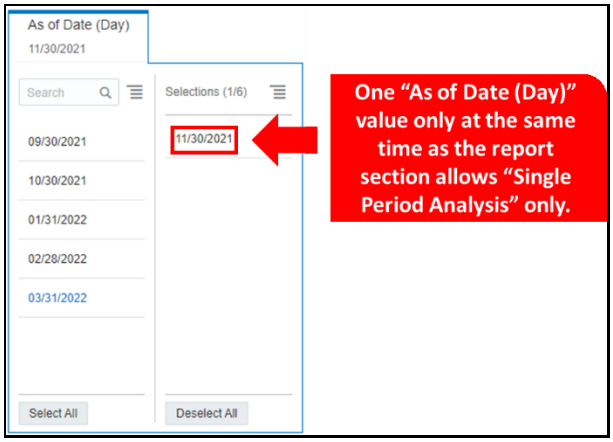
  You can use this filter to isolate a selected Timeframe for the analysis. Below, see a screenshot for the possible options that this filter provides against the Time Dimension.

Figure 81: As of Date Selection



- **As-of-Date (Quarter of Year)**
- **As of Date (Month of Year)**
- **As of Date (Day)**: One "As of Date (Day)" value only at the same time as the report section allows "Single Period Analysis" only.

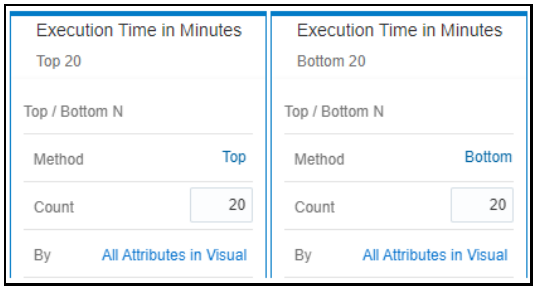
Figure 82: As of Date (Day) Selection



- **Execution Time in Minutes**: You can use this filter to retrieve the Top/Bottom N Allocation rules based on their Execution Time in Minutes.

  Below, the possible options that this filter provides such as selecting either "Top" or "Bottom" in the "Method" option as well as define a selected number of occurrences (that is, assigning an integer value such as 5, 10, and so on) in the option "Count".

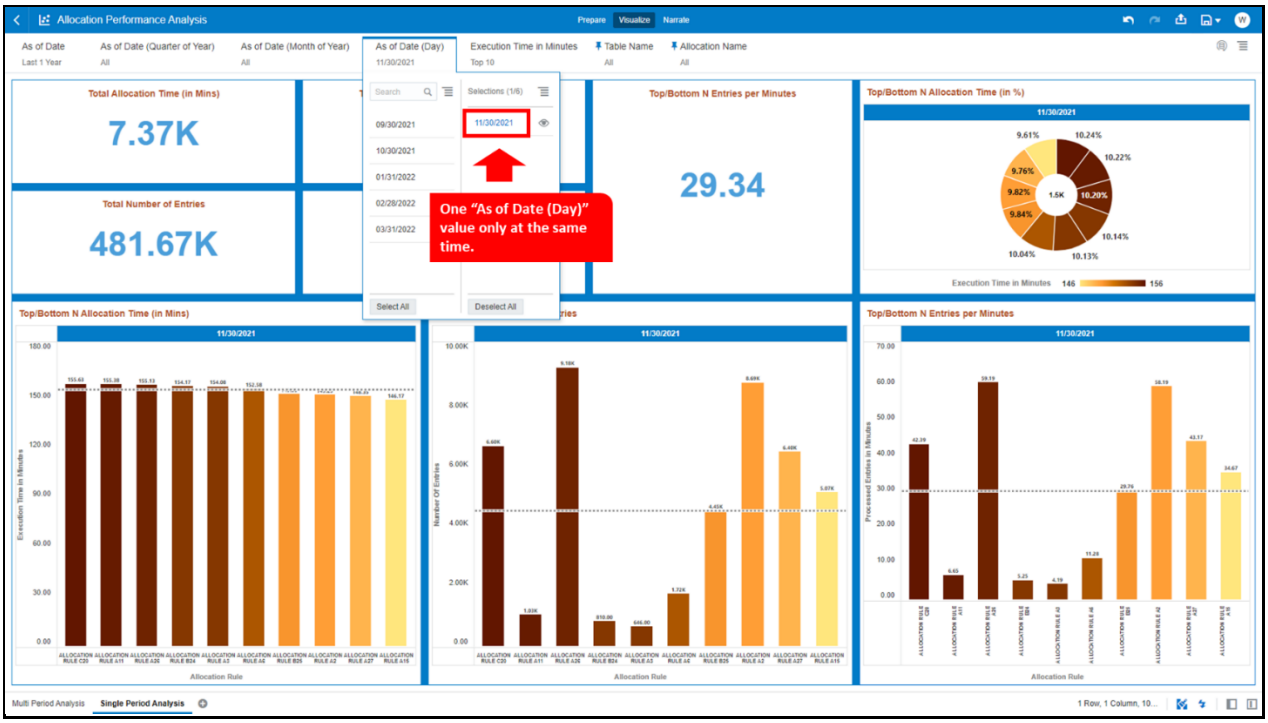
Figure 83: Execution Time in Minutes for Top/Bottom Selection



- **Table Name**: You can use this filter to select a specific Table Name (one or more) used by the Allocation Rule that has been utilized for processing.
- **Allocation Name**: You can use this filter to select a specific Allocation Rule (one or more) used by the different process executions.

The first step for you would be to select in the Report Prompt filter "As of Date (Day)", one value only to focus the analysis on a specific Execution Period.

Figure 84: As of Date (Day) Selection



This report displays the underlying data according to the following Charts' logic:

- Total Allocation Time (in Mins) – (Tile Chart)

  The total time spent in minutes for all the Allocation Rules executed during the selected period.

- Total Number of Entries – (Tile Chart)

  The total number of entries allocated for all the Allocation Rules executed during the selected period.

- Top/Bottom N Allocation Time (in Mins) – (Tile Chart)

  The total allocation time spent for the execution of the selected period. The value is calculated out of the Top/Bottom N selection (where N is related to the value used in the Report Prompts filter selection on the "Execution Time in Minutes"; in the screenshot, for example we have filtered "Top 10").

- Top/Bottom N Number of Entries – (Tile Chart)

  The total number of entries processed for the selected period. The value is calculated out of the Top/Bottom N selection (where N is related to the value used in the Report Prompts filter selection on the "Execution Time in Minutes"; in the screenshot, for example we have filtered "Top 10").

- Top/Bottom N Entries per Minutes – (Tile Chart)

  The ratio of processed entries per minutes (calculated as the number of entries divided the execution time in minutes). The value is calculated out of the Top/Bottom N selection (where N is related to the value used in the Report Prompts filter selection on the "Execution Time in Minutes"; in the screenshot, for example we have filtered "Top 10").

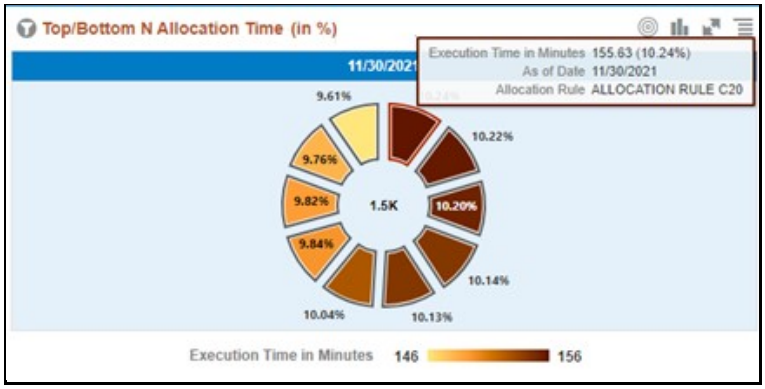
- Top/Bottom N Allocation Time (in %) – (Pie Chart)

  The chart displays the N Allocation Rules, out of the Top/Bottom N selection (where N is related to the value used in the Report Prompts filter selection on the "Execution Time in Minutes"; in the screenshot for example we have filtered "Top 10"), sorted by the Allocation Rule percentage value.

  The percentage value, is calculated based on the "Execution Time in Minutes" spent for the Allocation Rule, out of the total time spent for the Top/Bottom N Allocation Rules selected.

  Below we see, for instance, what is the Allocation Rule that needed more time to be executed and that is the one scoring a higher percentage value out of the total time spent within the Top/Bottom N selection.

Figure 85: Top/Bottom N Allocation Time (in %)



  In addition, the chart displays the "Execution Time in Minutes" needed by the Top/Bottom N Allocation Rules (this value is visible at the center of the above pie chart screenshot and in this example is "1.5K" minutes).

- Top/Bottom N Allocation Time (in Mins) – (Bar Chart)

  The chart displays the N Allocation Rules, out of the Top/Bottom N selection, sorted by the "Execution Time in Minutes" in descending order.

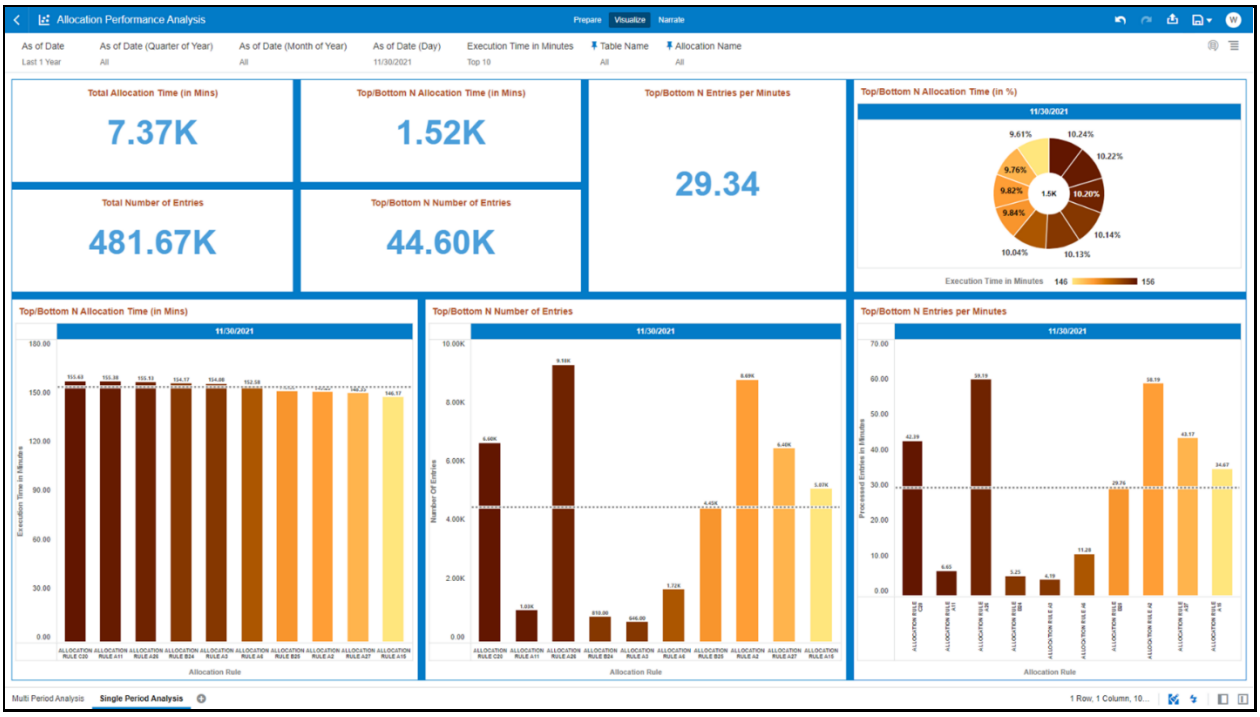
- Top/Bottom N Number of Entries – (Bar Chart)

  The chart displays, for the N Allocation Rules out of the Top/Bottom N selection, the number of processed entries for each of them keeping the sort by the "Execution Time in Minutes" in descending order.

- Top/Bottom N Entries per Minutes – (Bar Chart)

  The chart displays, for the N Allocation Rules out of the Top/Bottom N selection, the number of processed entries per minutes (calculated as the number of entries divided the execution time in minutes) for each of them keeping the sort by the "Execution Time in Minutes" in descending order.

Figure 86: Allocation Performance Analysis – Single Period Analysis


Allocation Performance Analysis
Prepare
Visualize
Narrate
As of Date
Last 1 Year
As of Date (Quarter of Year)
All
As of Date (Month of Year)
All
As of Date (Day)
11/30/2021
Execution Time in Minutes
Top 10
Table Name
All
Allocation Name
All
Total Allocation Time (in Mins)
7.37K
Top/Bottom N Allocation Time (in Mins)
1.52K
Top/Bottom N Entries per Minutes
29.34
Total Number of Entries
481.67K
Top/Bottom N Number of Entries
44.60K
Top/Bottom N Allocation Time (in %)
11/30/2021
9.61%
10.24%
10.22%
9.76%
9.82%
1.5K
10.20%
9.84%
10.14%
10.04%
10.13%
Execution Time in Minutes
146
156
Top/Bottom N Allocation Time (in Mins)
11/30/2021
Execution Time in Minutes
Allocation Rule
Top/Bottom N Number of Entries
11/30/2021
Number Of Entries
Allocation Rule
Top/Bottom N Entries per Minutes
11/30/2021
Processed Entries in Minutes
Allocation Rule
Multi Period Analysis
Single Period Analysis
1 Row, 1 Column, 10...

8 Processed Data Insights

To access the Processed Data Insights Reports, select **Analytics** from the LHS Menu, and then select **Processed Data Insights**.

The following Reports are available for the Processed Data Insights section. You can select any report that you want.

- Ad-Hoc Data Analysis
- Financial Statement Analysis

8.1 Ad-hoc Data Analysis

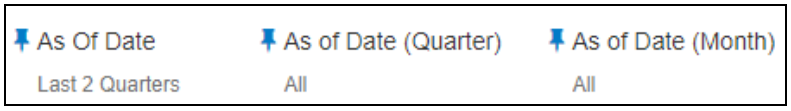
You can use the Ad-hoc Data Analysis Report to perform ad-hoc analysis on Management Ledger data.

Using this LHS link, you will be redirected to the UI with the related report, as explained in the following section.

8.1.1 Report filters

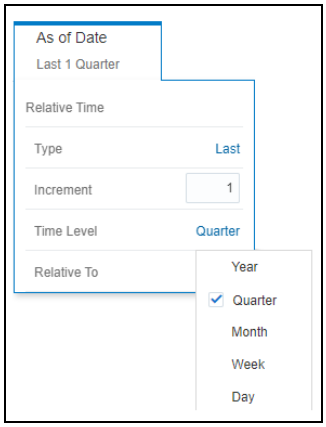
You can use a series of Report Prompts to filter the data according to Functional Key Attributes as described below:

Figure 87: Canvas Prompt Filters for Time Dimension



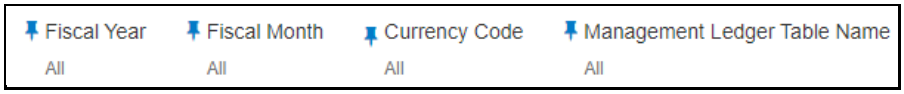
- **As of Date**: The Execution Period for the output results. You can use this filter to isolate a selected timeframe for the analysis. The following screenshot displays the possible options that this filter provides against the Time Dimension.

Figure 88: As-of-Date Selection



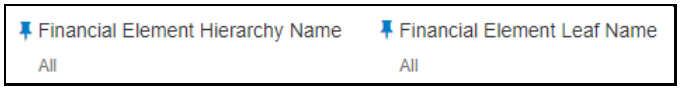
- Additional Filters for the Time Dimension as follows:
  - **As of Date (Quarter)**
  - **As of Date (Month)**

Figure 89: Canvas Prompt Filters for Management Ledger Key Attributes (1/2)



- **Fiscal Year:** You can use this filter to select a specific Fiscal Year derived from As-of-Date.
- **Fiscal Month:** You can use this filter to select a specific Fiscal Month derived from As-of-Date.
- **Currency Code**: You can use this filter to select a specific Currency Code to be applied to the underlying Management Ledger data.
- **Management Ledger Table Name:** You can use this filter to select the source Management Ledger table for your analysis.

Figure 90: Canvas Prompt Filters for Financial Element Key Processing Dimension



- **Financial Element Hierarchy Name**: Note that this is a mandatory filter for the group filtering on Financial Element Key Processing Dimension.

  As the Application supports the creation of multiple hierarchies for the same Dimension of analysis, and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select “Financial Element Hierarchy Name” must be selected with only a single value simultaneously.

- **Financial Element Leaf Name:** You can use this filter to select the Financial Element Leaf Name that is related to the underlying Management Ledger data.

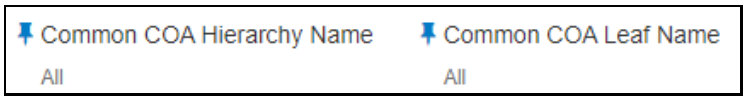
Figure 91: Canvas Prompt Filters for Legal Entity Key Processing Dimension

- **LE Hierarchy Name**: Note that this is a mandatory filter for the group filtering on Legal Entity Key Processing Dimension.

  As the Application supports the creation of multiple hierarchies for the same Dimension of analysis, and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select “LE Hierarchy Name” must be selected with only a single value simultaneously.

- **Legal Entity Leaf Name:** You can use this filter to select the Legal Entity Leaf Name that is related to the underlying Management Ledger data.

Figure 92: Canvas Prompt Filters for Common COA Key Processing Dimension

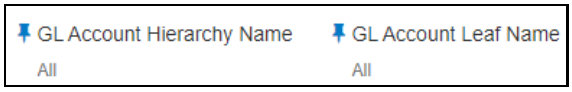


- **Common COA Hierarchy Name**: N.B. this is a mandatory filter for the group filtering on Common COA Key Processing Dimension.

As the Application supports the creation of multiple hierarchies for the same Dimension of analysis, and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select "Common COA Hierarchy Name" must be selected with only a single value simultaneously.

- **Common COA Leaf Name:** You can use this filter to select the Common COA Leaf Name that is related to the underlying management ledger data.

Figure 93: Canvas Prompt Filters for GL Account Key Processing Dimension



- **GL Account Hierarchy Name**: Note that this is a mandatory filter for the group filtering on GL Account Key Processing Dimension.

  As the Application supports the creation of multiple hierarchies for the same Dimension of analysis, and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select "GL Account Hierarchy Name" must be selected with only a single value simultaneously.

- **GL Account Leaf Name:** You can use this filter to select the GL Account Leaf Name that is related to the underlying Management Ledger data.

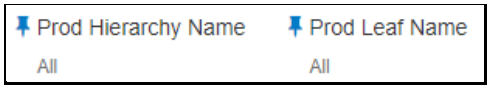
Figure 94: Canvas Prompt Filters for Org Unit Key Processing Dimension

- **Org Hierarchy Name**: Note that this is a mandatory filter for the group filtering on Org Unit Key Processing Dimension.

  As the Application supports the creation of multiple hierarchies for the same Dimension of analysis, and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select "Org Hierarchy Name" must be selected with only a single value simultaneously.

- **Org Unit Leaf Name:** You can use this filter to select the Org Unit Leaf Name that is related to the underlying Management Ledger data.

Figure 95: Canvas Prompt Filters for Product Key Processing Dimension

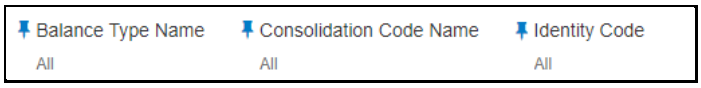


- **Prod Hierarchy Name**: Note that this is a mandatory filter for the group filtering on Product Key Processing Dimension.

  As the Application supports the creation of multiple hierarchies for the same Dimension of analysis, and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select "Prod Hierarchy Name" must be selected with only a single value simultaneously.

- **Prod Leaf Name:** You can use this filter to select the Prod Leaf Name that is related to the underlying Management Ledger data.

Figure 96: Canvas Prompt Filters for Management Ledger Key Attributes (2/2)



- **Balance Type Name**: You can use this filter to select a specific Balance type, such as Debit and Credit.
- **Consolidation Code Name:** You can use this filter to select a specific Consolidation type as it identifies the values for Actual, Budget, Forecast, Forecast Prior.
- **Identity Code:** You can use this filter to select a specific identity code to be applied to the underlying Management Ledger data.

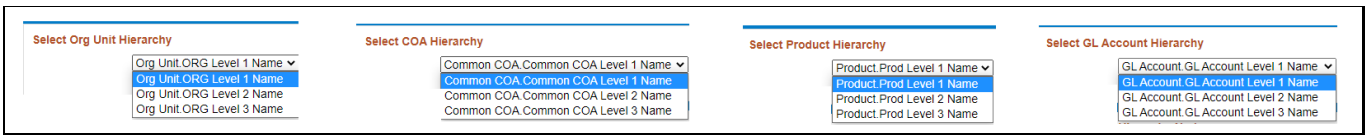
8.1.2 Report Hierarchies

The Report provides you with the roll-up and drill-down capability on Management Ledger data, leveraging the available levels for the four following Hierarchies:

- Org Unit Entity Hierarchy
- Common COA Hierarchy
- Product Hierarchy
- GL Account Hierarchy

Following screenshot displays the four available selections for the aforementioned hierarchies.

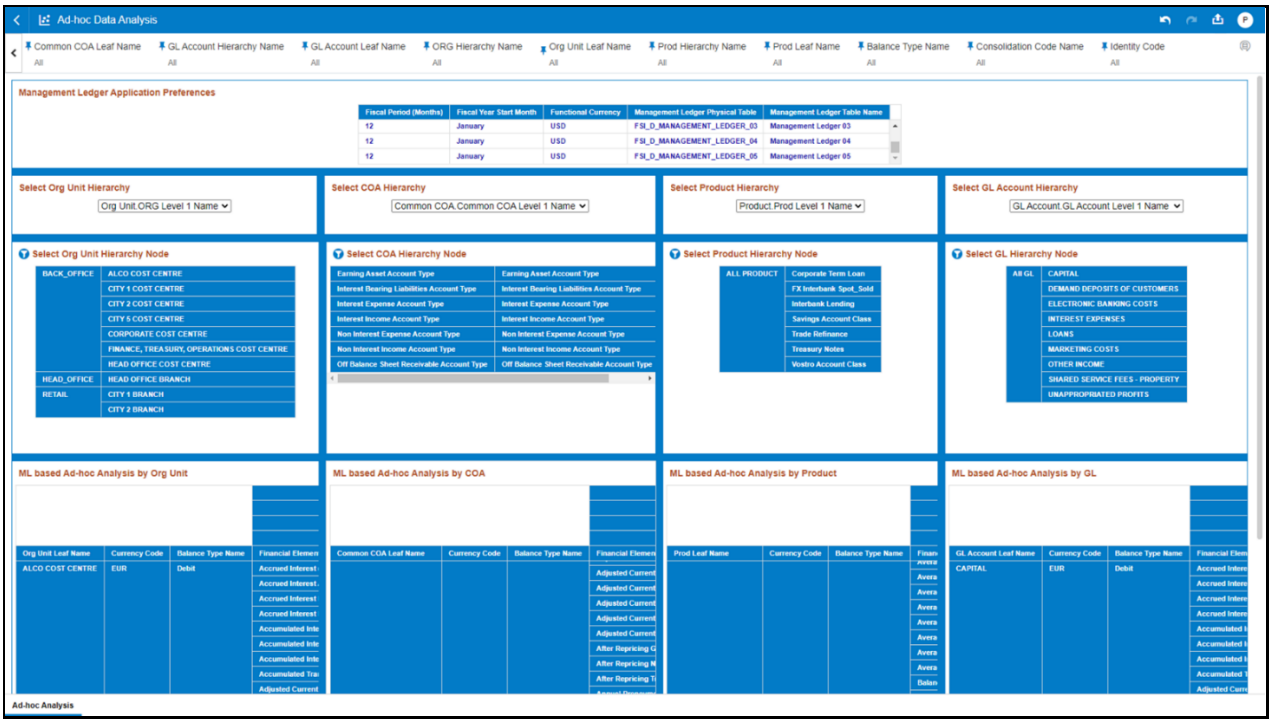
Figure 97: Variable Prompt for Management Ledger Key Processing Dimension Hierarchies



8.1.3 Ad-hoc Analysis

The “Ad-hoc Analysis” Report can be used to perform ad-hoc analysis on Management Ledger data.

Figure 98 “Ad-hoc Analysis” Report



You can use a series of Report Prompts, as previously described, to filter the data according to key attributes pertaining to the underlying Management Ledger data.

The report displays the underlying Management Ledger data according to the following Charts' logic:

- Management Ledger Application Preferences

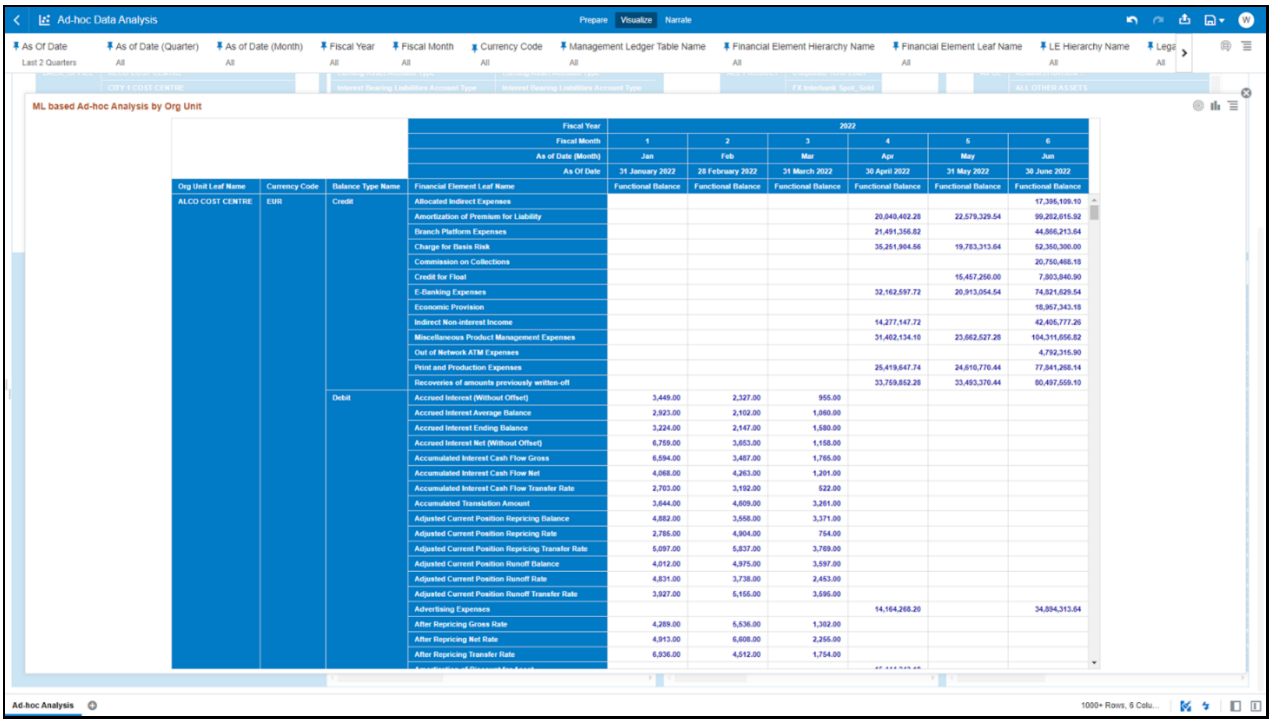
  The chart displays the application preferences values for the following parameters:

  - ***Fiscal Period (Months)***: this filed is always 12 months equivalent to the number of fiscal months available in an ideal fiscal year.
  - ***Fiscal Year Start Month***: starting month of the current Fiscal Year.
  - ***Functional Currency***: the Functional Currency configured for the corresponding Management Ledger.
  - ***Management Ledger Physical Table***: name of the underlying Management Ledger physical table.
  - ***Management Ledger Table Name***: name of the Management Ledger table.

- **Select Org Unit Hierarchy**: The chart provides you with a selection capability for the desired Org Unit Hierarchical level.
- **Select COA Hierarchy**: The chart provides you with a selection capability for the desired Common COA Hierarchical level.
- **Select Product Hierarchy**: The chart provides you with a selection capability for the desired Product Hierarchical level.
- **Select GL Account Hierarchy**: The chart provides you with a selection capability for the desired GL Account Hierarchical level.

- **Select Org Unit Hierarchy Node**: The chart provides you with two levels of the hierarchy – the selected level from the "Select Org Unit Hierarchy" as well as the Org Unit leaf nodes. You use this chart to further filter down the *ML based Ad-hoc Analysis* charts as well as the *Select KPD Hierarchy Node* charts.
- **Select COA Hierarchy Node**: The chart provides you with two levels of the hierarchy – the selected level from the "Select COA Hierarchy" as well as the Common COA leaf nodes. You use this chart to further filter down the *ML based Ad-hoc Analysis* charts as well as the *Select KPD Hierarchy Node* charts.
- **Select Product Hierarchy Node**: The chart provides you with two levels of the hierarchy – the selected level from the "Select Product Hierarchy" as well as the Product leaf nodes. You use this chart to further filter down the *ML based Ad-hoc Analysis* charts as well as the *Select KPD Hierarchy Node* charts.
- **Select GL Account Hierarchy Node**: The chart provides you with two levels of the hierarchy – the selected level from the "Select GL Account Hierarchy" as well as the GL Account leaf nodes. You use this chart to further filter down the *ML based Ad-hoc Analysis* charts as well as the *Select KPD Hierarchy Node* charts.

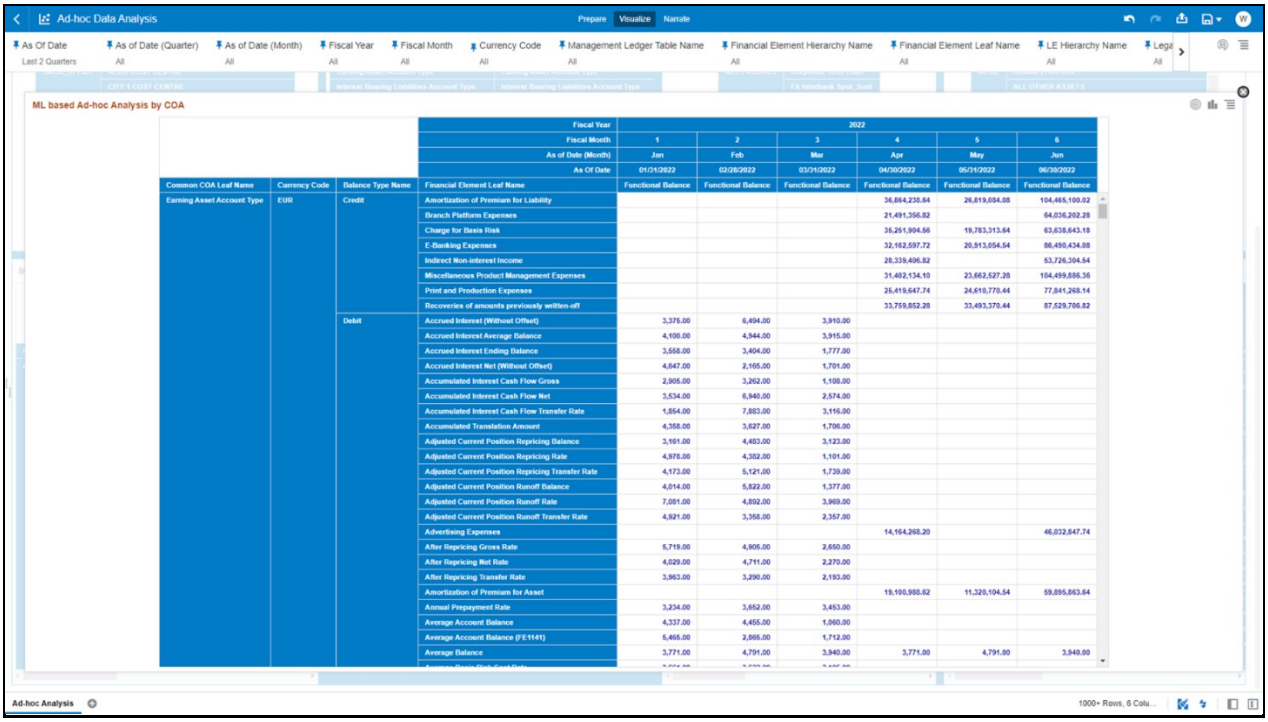
Figure 99 "ML based Ad-hoc Analysis by Org Unit" Chart



- **ML based Ad-hoc Analysis by Org Unit**: The chart displays the following underlying management ledger data elements:
  - Org Unit Leaf Name
  - Currency Code – displays the account currency of the records
  - Balance Type Name
  - Financial Element Leaf Name

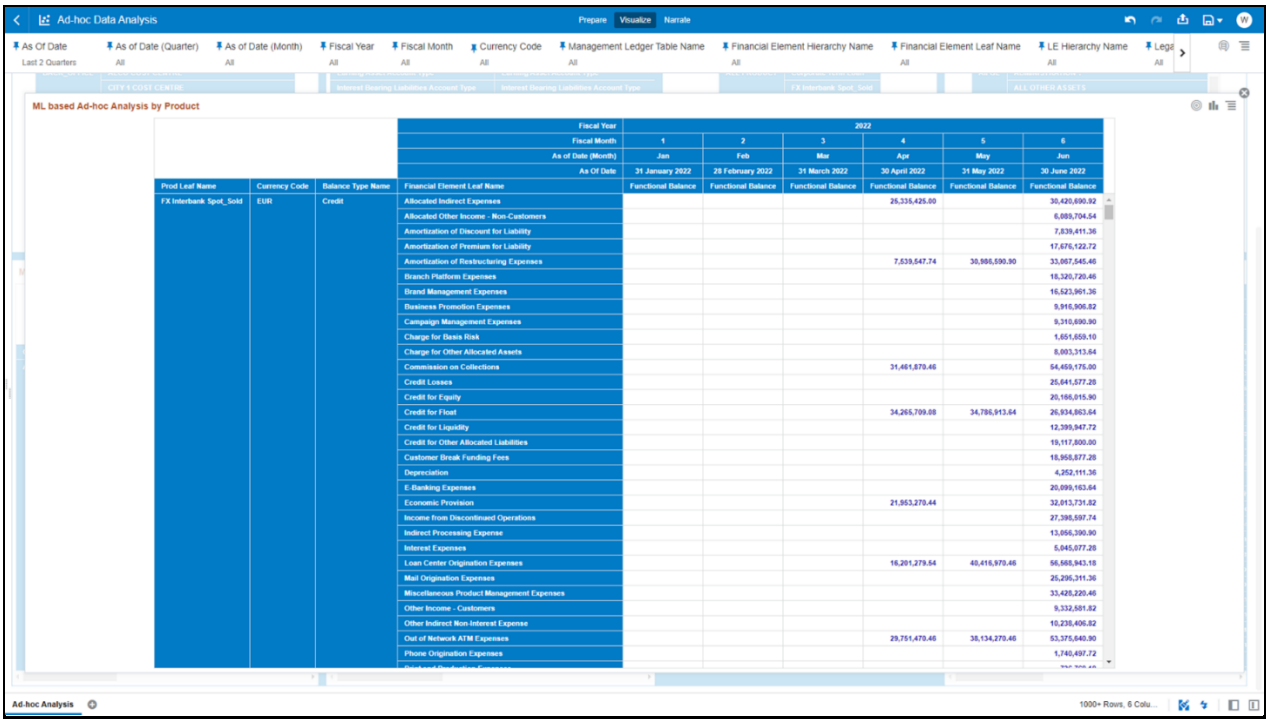
- Fiscal Year
- Fiscal Month
- As of Date (Month)
- As of Date
- Functional Balance – displays the balance in functional currency of the management ledger (the functional currency is available in the chart "Management Ledger Application Preferences")

Figure 100 "ML based Ad-hoc Analysis by COA" Chart



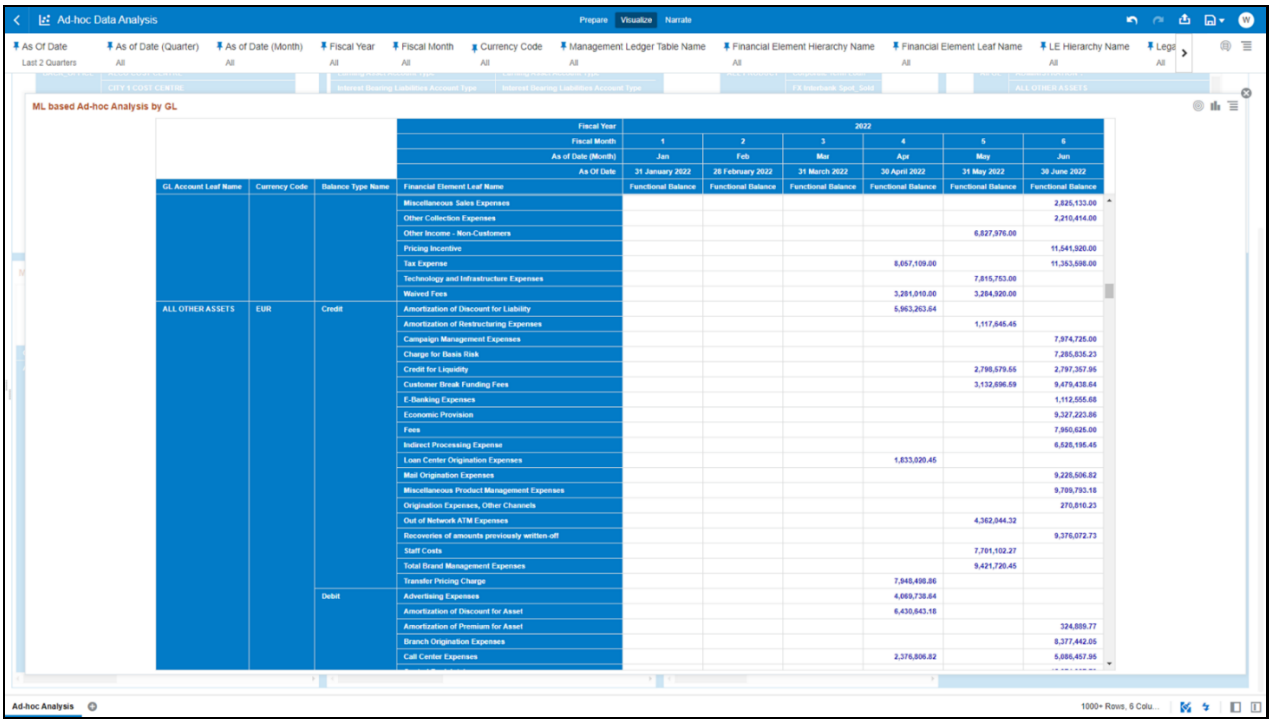
- **ML based Ad-hoc Analysis by COA**: The chart displays the following underlying management ledger data elements:
  - Common COA Leaf Name
  - Currency Code – displays the account currency of the records
  - Balance Type Name
  - Financial Element Leaf Name
  - Fiscal Year
  - Fiscal Month
  - As of Date (Month)
  - As of Date
  - Functional Balance – displays the balance in functional currency of the management ledger (the functional currency is available in the chart "Management Ledger Application Preferences")

Figure 101 "ML based Ad-hoc Analysis by Product" Chart



- **ML based Ad-hoc Analysis by Product**: The chart displays the following underlying management ledger data elements:
  - Product Leaf Name
  - Currency Code – displays the account currency of the records
  - Balance Type Name
  - Financial Element Leaf Name
  - Fiscal Year
  - Fiscal Month
  - As of Date (Month)
  - As of Date
  - Functional Balance – displays the balance in functional currency of the management ledger (the functional currency is available in the chart "Management Ledger Application Preferences")

Figure 102 "ML based Ad-hoc Analysis by GL" Chart

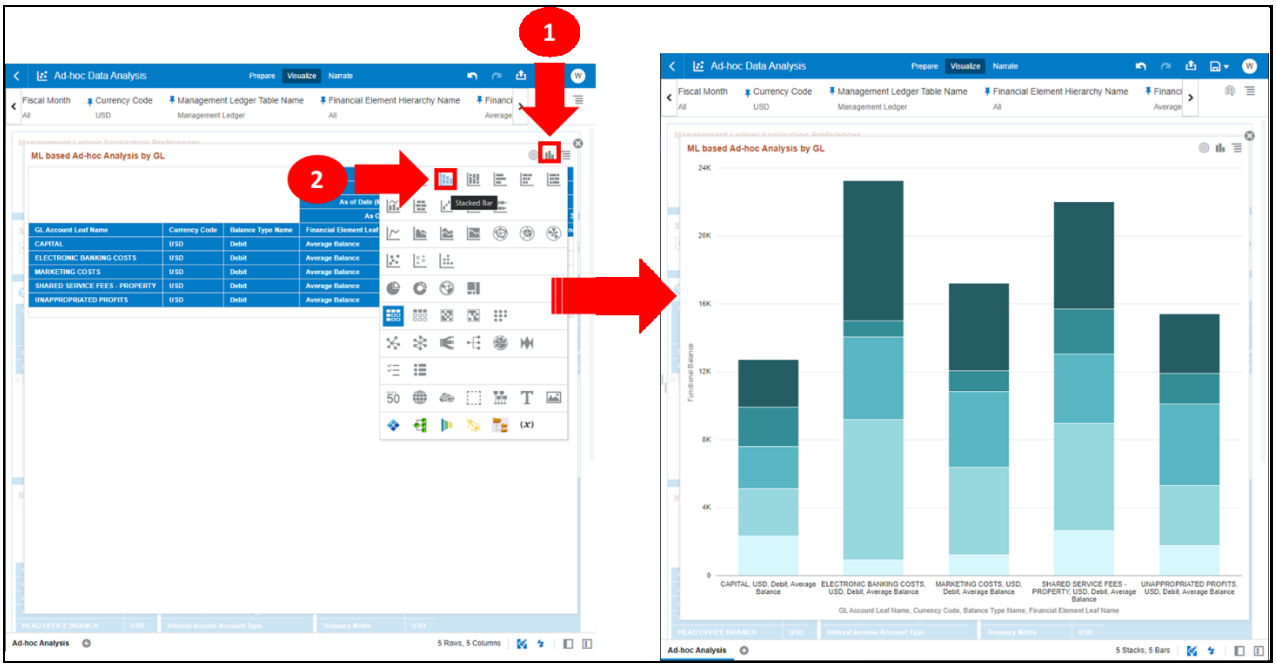


- **ML based Ad-hoc Analysis by GL**: The chart displays the following underlying management ledger data elements:
  - GL Account Leaf Name
  - Currency Code – displays the account currency of the records
  - Balance Type Name
  - Financial Element Leaf Name
  - Fiscal Year
  - Fiscal Month
  - As of Date (Month)
  - As of Date
  - Functional Balance – displays the balance in functional currency of the management ledger (the functional currency is available in the chart "Management Ledger Application Preferences")

After having performed analysis on the off-the-shelf "Ad-hoc Analysis" report charts, you can use the results for further self-service analysis.

You can change the predefined off-the-shelf charts with two clicks' steps as shown in the following screenshot.

Figure 103 Change Chart type for Self-Service Analysis



8.2 Financial Statements Analysis

You can use the Financial Statements Analysis Report to perform analysis on the Financial Statement Reporting Lines derived out of the Management Ledger data.

Using this LHS link, you will be redirected to the UI with the related report, as explained in the following section.

8.2.1 Report filters

You can use a series of Report Prompts to filter the data according to Functional Key Attributes as described below:

- **As of Date**: The Execution Period for the Management Ledger data output results. You can use this filter to isolate a selected timeframe for the analysis. The following screenshot displays the possible options that this filter provides against the Time Dimension.

Figure 104: As-of-Date Selection

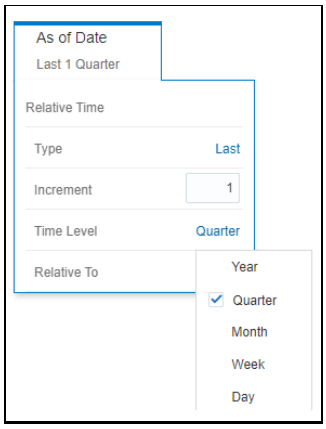
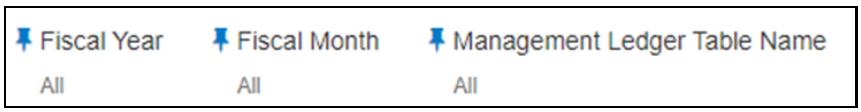
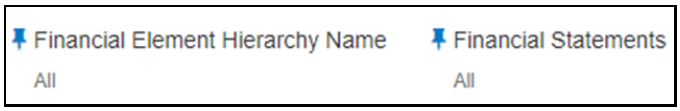


Figure 105: Canvas Prompt Filters for Management Ledger Key Attributes (1/2)



- **Fiscal Year:** You can use this filter to select a specific Fiscal Year derived from As-of-Date.
- **Fiscal Month:** You can use this filter to select a specific Fiscal Month derived from As-of-Date.
- **Management Ledger Table Name:** You can use this filter to select the source Management Ledger table for your analysis.

Figure 106: Canvas Prompt Filters for Financial Element Key Processing Dimension

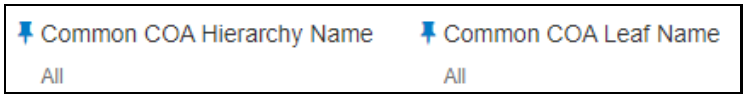


- **Financial Element Hierarchy Name**: N.B. this is a mandatory filter for the group filtering on Financial Element Key Processing Dimension.

  As the Application supports the creation of multiple hierarchies for the same Dimension of analysis, and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select "Financial Element Hierarchy Name" must be selected with only a single value simultaneously.

- **Financial Statements:** You can use this filter to select the Financial Statements Reporting Line that is related to the underlying Management Ledger data.

Figure 107: Canvas Prompt Filters for Common COA Key Processing Dimension

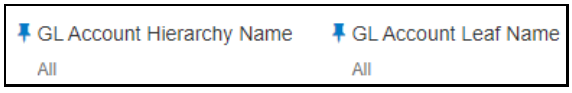


- **Common COA Hierarchy Name**: N.B. this is a mandatory filter for the group filtering on Common COA Key Processing Dimension.

  As the Application supports the creation of multiple hierarchies for the same Dimension of analysis, and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select "Common COA Hierarchy Name" must be selected with only a single value simultaneously.

- **Common COA Leaf Name:** You can use this filter to select the Common COA Leaf Name that is related to the underlying Management Ledger data.

Figure 108: Canvas Prompt Filters for GL Account Key Processing Dimension



- **GL Account Hierarchy Name**: N.B. this is a mandatory filter for the group filtering on GL Account Key Processing Dimension.

  As the Application supports the creation of multiple hierarchies for the same Dimension of analysis, and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory

driver to select "GL Account Hierarchy Name" must be selected with only a single value simultaneously.

- **GL Account Leaf Name:** You can use this filter to select the GL Account Leaf Name that is related to the underlying Management Ledger data.

Figure 109: Canvas Prompt Filters for Legal Entity Key Processing Dimension

- **LE Hierarchy Name**: N.B. this is a mandatory filter for the group filtering on Legal Entity Key Processing Dimension.

  As the Application supports the creation of multiple hierarchies for the same Dimension of analysis, and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select "LE Hierarchy Name" must be selected with only a single value simultaneously.

- **Legal Entity Leaf Name:** You can use this filter to select the Legal Entity Leaf Name that is related to the underlying Management Ledger data.

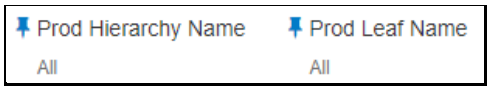
Figure 110: Canvas Prompt Filters for Org Unit Key Processing Dimension

- **Org Hierarchy Name**: N.B. this is a mandatory filter for the group filtering on Org Unit Key Processing Dimension.

  As the Application supports the creation of multiple hierarchies for the same Dimension of analysis, and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select "Org Hierarchy Name" must be selected with only a single value simultaneously.

- **Org Unit Leaf Name:** You can use this filter to select the Org Unit Leaf Name that is related to the underlying Management Ledger data.

Figure 111: Canvas Prompt Filters for Product Key Processing Dimension

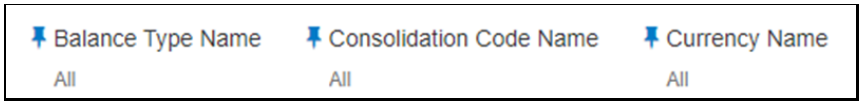


- **Prod Hierarchy Name**: N.B. this is a mandatory filter for the group filtering on Product Key Processing Dimension.

  As the Application supports the creation of multiple hierarchies for the same Dimension of analysis, and to avoid displaying results from multiple Dimension Hierarchies at the same time, a mandatory driver to select "Prod Hierarchy Name" must be selected with only a single value simultaneously.

- **Prod Leaf Name:** You can use this filter to select the Prod Leaf Name that is related to the underlying Management Ledger data.

Figure 112: Canvas Prompt Filters for Management Ledger Key Attributes (2/2)



- **Balance Type Name**: You can use this filter to select a specific Balance type, such as Debit and Credit.
- **Consolidation Code Name:** You can use this filter to select a specific Consolidation type as it identifies the values for Actual, Budget, Forecast, Forecast Prior.
- **Currency Name:** You can use this filter to select a specific Currency Name to be applied to the underlying Management Ledger data.

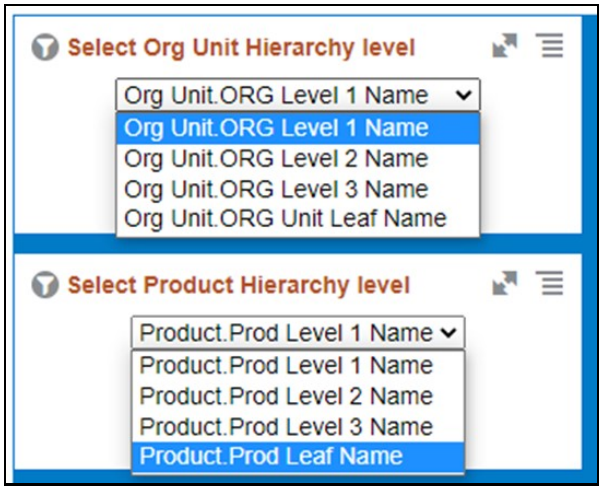
8.2.2 Report Hierarchies

The Report provides you with the roll-up and drill down capability on the Financial Statement Reporting Lines derived out of the Management Ledger data, leveraging the available levels for the two following Hierarchies:

- Org Unit Entity Hierarchy
- Product Hierarchy

Following screenshot displays the two available selections for the aforementioned hierarchies.

Figure 113: Variable Prompt for Management Ledger Key Processing Dimension Hierarchies



8.2.3 Report Data Action

The Data Actions provide the capability to perform drill down analysis across the downstream report canvases. The drill-down is enabled through three data actions.

From every chart available in the report, you can select a combination of values, and then perform the navigation to the other report canvases.

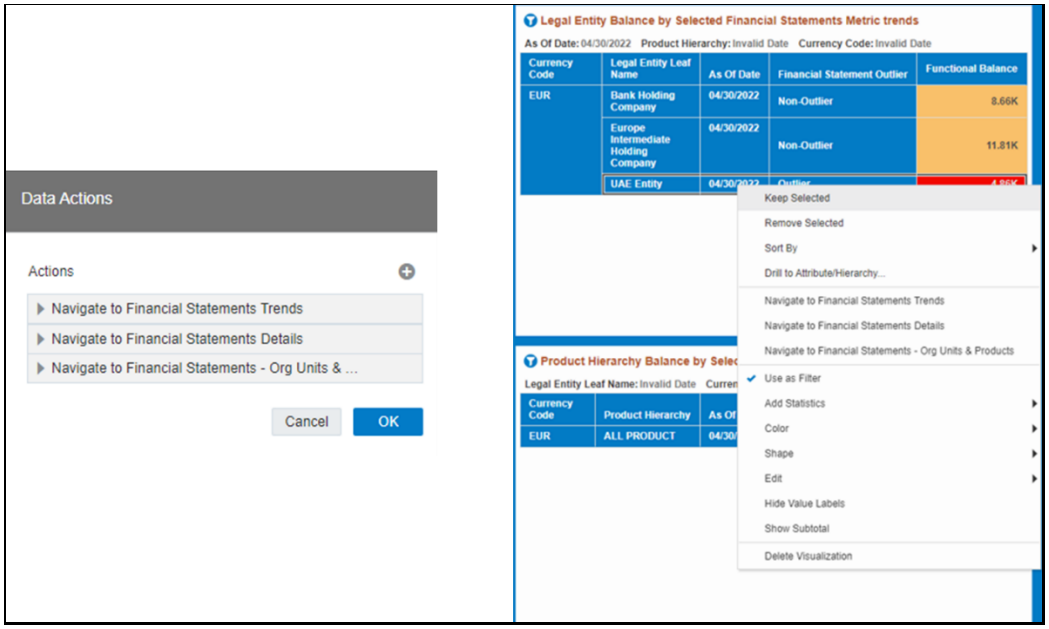
In order to do so, with a right-click on the chart selection, the Data Action options will appear for you to be able to navigate further as described in the following mapping:

- **Navigate to Financial Statements Trends** – the Data Action will be drilling through the "Financial Statements - Trends" canvas.
- **Navigate to Financial Statements Details** – the Data Action will be drilling through the "Financial Statements - Detail" canvas.

- **Navigate to Financial Statements - Org Units & Products** – the Data Action will be drilling through the "Financial Statements - Org Units & Products" canvas.

The following screenshot shows the Data Actions list as well as the navigation options that appears once you right click on the desired selection.

Figure 114 Data Action Configuration



8.2.4 Financial Statements - Outliers

This canvas allows you to look at the Financial Statements reporting lines outliers that are calculated using the Standard Deviation capability available off the shelf with Oracle Analytics.

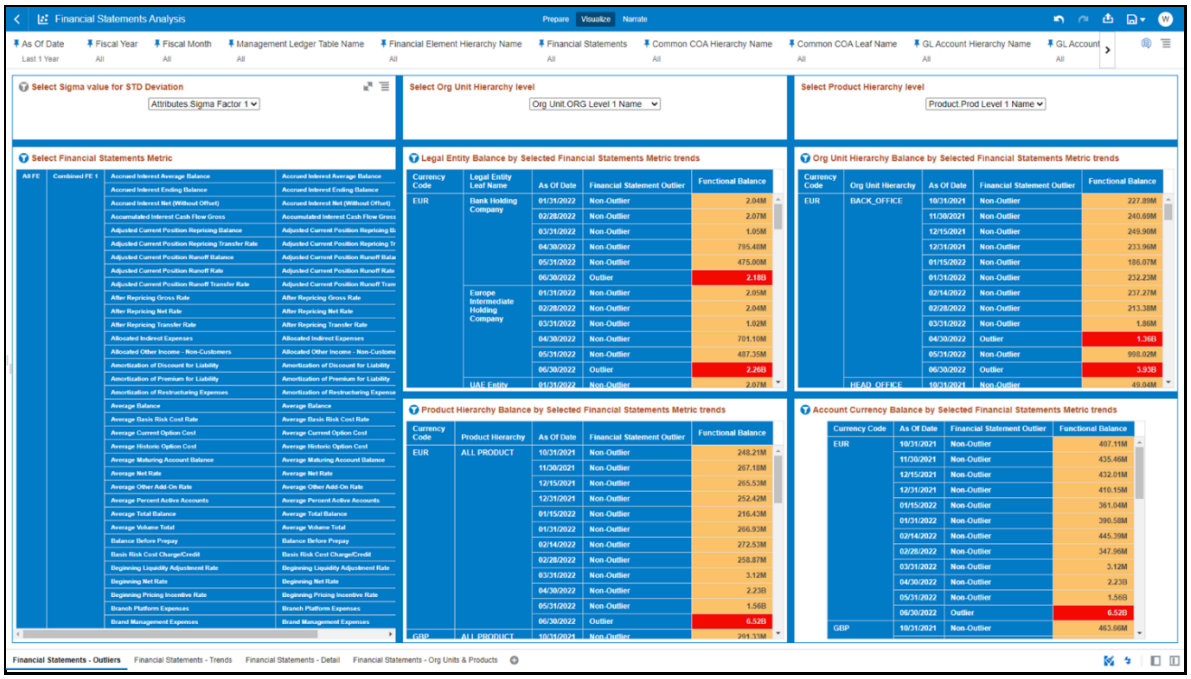
The Financial data is segregated between "Outlier" and "Non-Outlier" in the report column "Financial Statement Outlier".

"Outlier" refers to a Financial data that lies outside the confidence interval of the deviation that we are adopting in our technique.

"Non-Outlier" would refer to a Financial data that lies inside the confidence interval of the deviation.

The outliers are calculated on the Financial Elements balance aggregated by the respective combination of KPDs, such as Legal Entity, Org Unit, and Product, against the As-of-Date available.

Figure 115 "Financial Statements – Outliers" Report canvas



A Financial data can be identified as an outlier or a non-outlier based on the standard deviation confidence interval that we adopt.

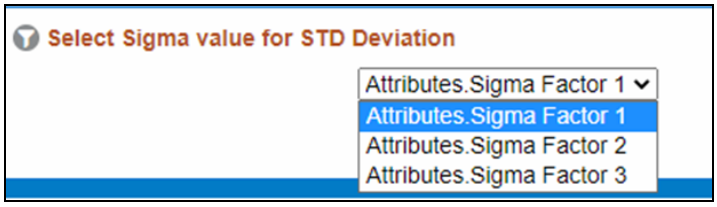
This Confidence Interval is parametrized with the list of the Sigma values available in the report, that is, “Attributes.Sigma Factor 1”, “Attributes.Sigma Factor 2”, and “Attributes.Sigma Factor 3”.

The Sigma Factors are integer values that range from “Attributes.Sigma Factor 1” to “Attributes.Sigma Factor 3” in the increasing order of the conservativeness or the confidence interval of the Standard Deviation.

This means will have more outliers when you perform analysis with “Attributes.Sigma Factor 1” than with the “Attributes.Sigma Factor 3”.

The following screenshot shows the selection for the Sigma Factor available in the report canvas.

Figure 116 Sigma Factor selection for STD Deviation



8.2.4.1 Working with Financial Statement Reporting Lines

The default canvas view displays all the FE’s under the “Financial Statement” canvas prompt filter, hence all the balances available in each of the canvas charts are showing the cumulative value of the balances across all the available FE’s.

Therefore, to perform a correct analysis, you should select a single FE Reporting Line that you want to use for your analysis.

You can either select a single FE Reporting Line via the "Financial Statement" canvas prompt filter (option "A") or use the left-hand side "Select Financial Statements Metric" chart on the "Financial Element Leaf Name" column (option "B").

Figure 117 FE Reporting Line selection Option "A"

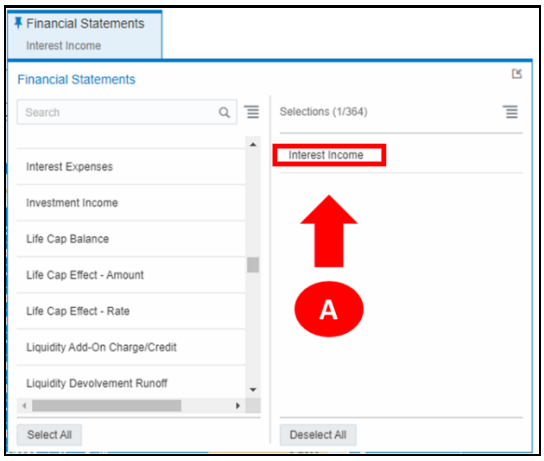


Figure 118 FE Reporting Line selection Option "B"

You can use a series of Report Prompts, as previously described, to filter the data according to key attributes pertaining to the underlying Management Ledger data.

The report displays the underlying management ledger data according to the following Charts' logic:

- **Select Sigma Value for STD Deviation**: The chart provides you with a selection capability for the desired Sigma value to be used by the STD Deviation, the possible selection values are "Attributes.Sigma Factor 1", "Attributes.Sigma Factor 2", and "Attributes.Sigma Factor 3".
- **Select Org Unit Hierarchy level**: The chart provides you with a selection capability for the desired Org Unit Hierarchical level.
- **Select Product Hierarchy level**: The chart provides you with a selection capability for the desired Product Hierarchical level.
- **Select Financial Statements Metric**: The chart provides you with a selection capability for the desired Financial Element reporting line. The *Financial Element Leaf Name* is the actual data on

which the reporting is based whereas the chart provides with the parent levels for ease of finding out the Financial Element Leaf member.

The columns displayed in the chart are the following:

- Financial Element Level 1 Name
- Financial Element Level 2 Name
- Financial Element Level 3 Name
- Financial Element Leaf Name

- **Legal Entity Balance by Selected Financial Statements Metric trends**: This chart deduces if a Financial data (that is the *Functional Balance* of a *Financial Element Leaf Name*) is a "Outlier" or "Non-Outlier" for a combination of As-of-Date, Currency (transaction currency) and Legal Entity. The columns displayed in the chart are the following:
  - Currency Code
  - Legal Entity Leaf Name
  - As Of Date
  - Financial Statement Outlier
  - Functional Balance
- **Org Unit Hierarchy Balance by Selected Financial Statements Metric trends**: This chart deduces if a Financial data (that is the *Functional Balance* of a *Financial Element Leaf Name*) is a "Outlier" or "Non-Outlier" for a combination of As-of-Date, Currency (transaction currency) and Org Unit (the Org Unit display is based on the *Org Unit Hierarchy* level you're analyzing).

  The columns displayed in the chart are the following:
  - Currency Code
  - Org Unit Hierarchy
  - As Of Date
  - Financial Statement Outlier
  - Functional Balance
- **Product Hierarchy Balance by Selected Financial Statements Metric trends**: This chart deduces if a Financial data (that is the *Functional Balance* of a *Financial Element Leaf Name*) is a "Outlier" or "Non-Outlier" for a combination of As-of-Date, Currency (transaction currency) and Product (the Product display is based on the *Product Hierarchy* level you're analyzing).

  The columns displayed in the chart are the following:
  - Currency Code
  - Product Hierarchy
  - As Of Date
  - Financial Statement Outlier
  - Functional Balance

- **Account Currency Balance by Selected Financial Statements Metric trends**: This chart deduces if a Financial data (that is the *Functional Balance* of a *Financial Element Leaf Name*) is a "Outlier" or "Non-Outlier" for a combination of As-of-Date and Account Currency (transaction currency).

  The columns displayed in the chart are the following:

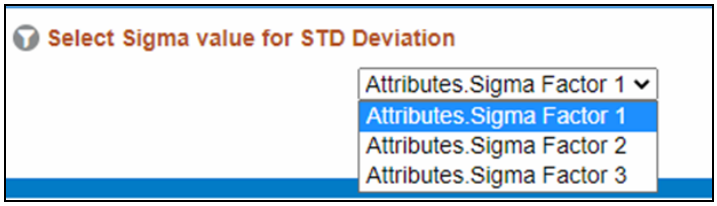
  - Currency Code
  - As Of Date
  - Financial Statement Outlier
  - Functional Balance

8.2.4.2 Use Case flow for Outliers Analysis

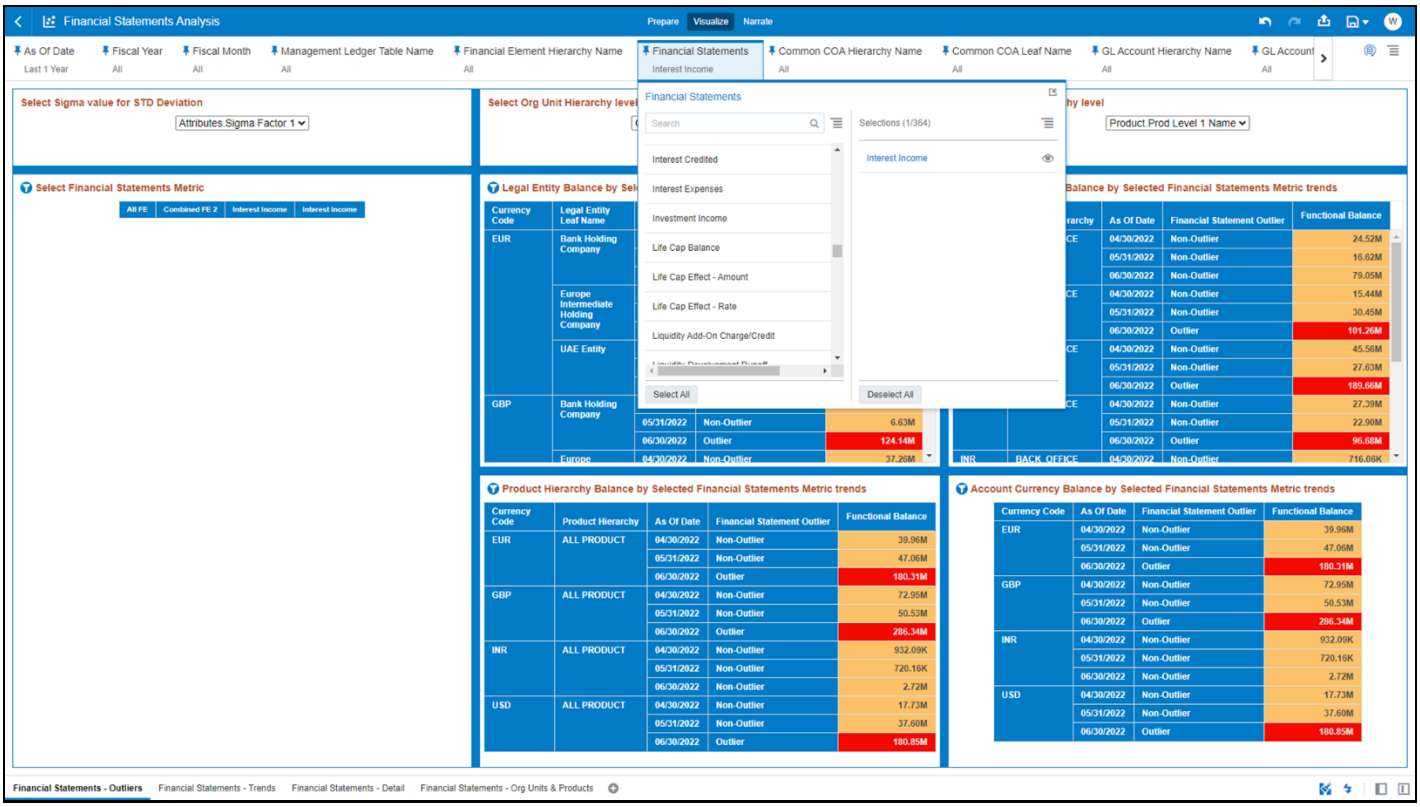
You can refer this use case to best leverage the advanced analytics capabilities of the reports.

Starting from the canvas "Financial Statements – Outliers" you can perform a series of actions as following described.

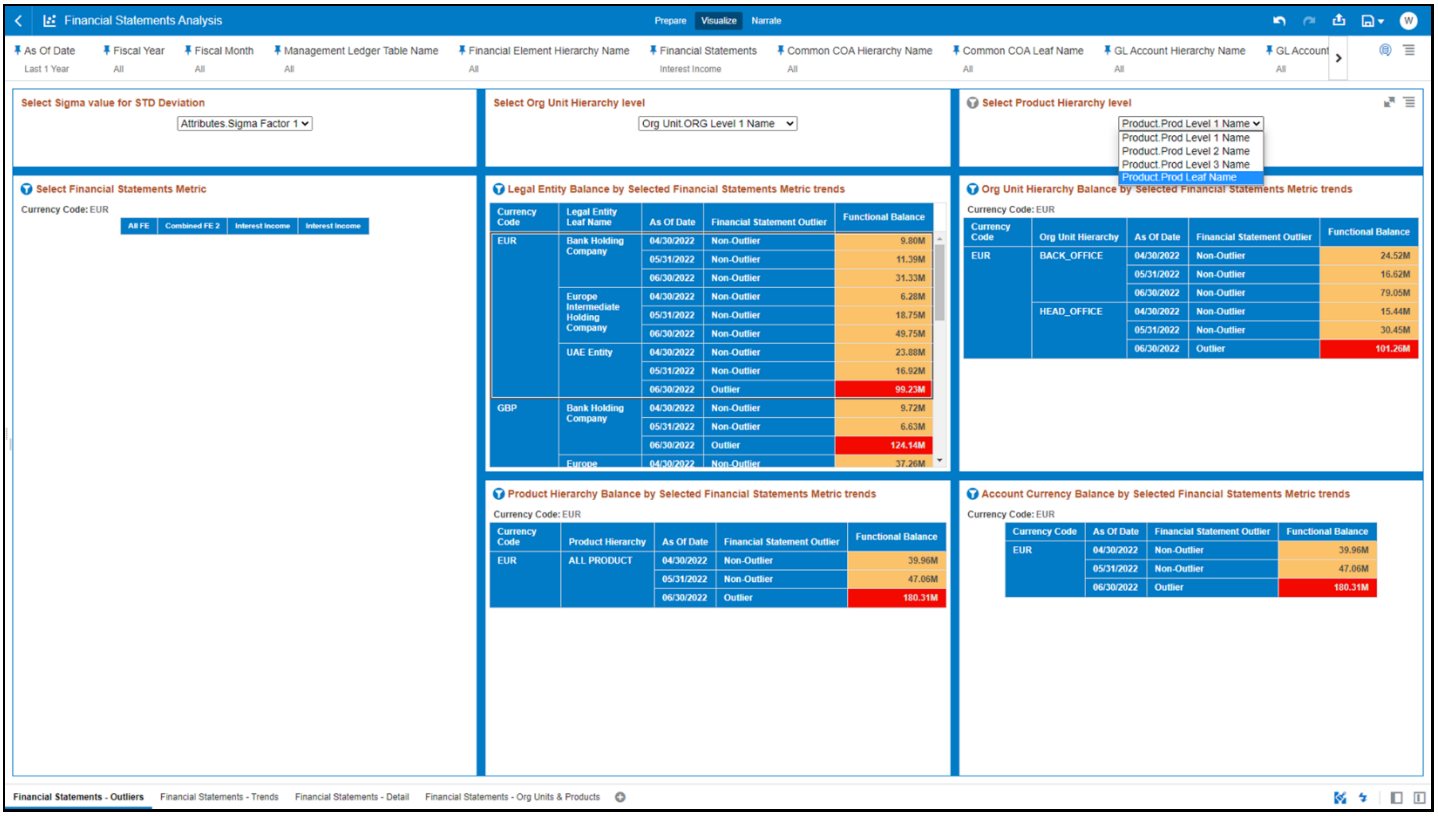
1. Select your desired Sigma value on which the outlier analysis will be generated.



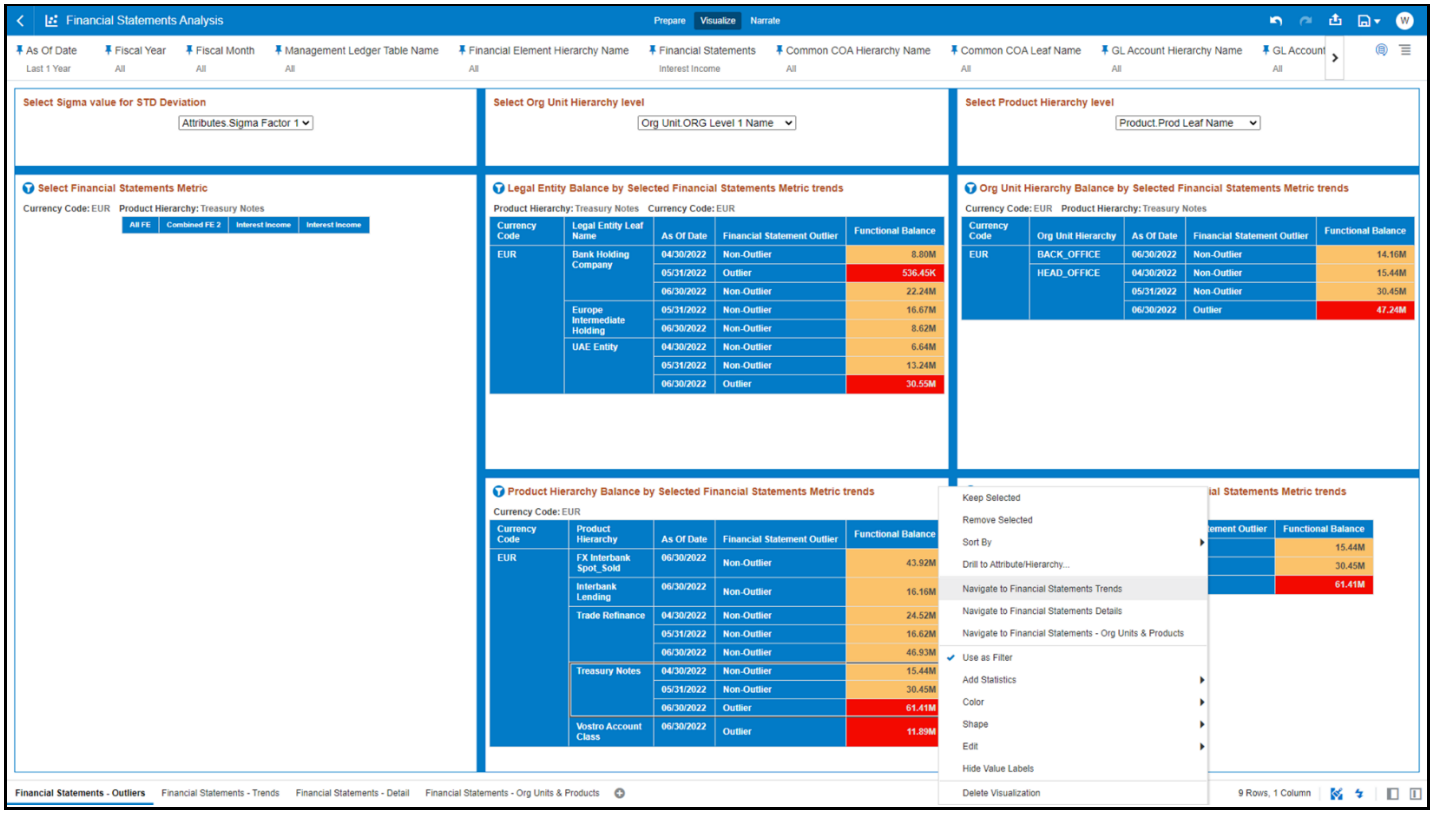
2. Select the Financial Statements, as described in the previous section Working with Financial Statement Reporting Lines.



3. Select the Outliers and change the desired Hierarchy level for any of the available Key Processing Dimensions.



4. Once you've selected a combination of outliers and related Dimensions, you can use the Data Actions to navigate to the other Report Canvases.



8.2.5 Financial Statements - Trends

The "Financial Statements – Trends" Report describes the trend of the Financial Statements reporting lines with respect to As-of-Date.

You can use a series of Report Prompts, as previously described, to filter the data according to key attributes pertaining to the underlying Management Ledger data.

As described in the previous section Working with Financial Statement Reporting Lines , to perform a correct analysis, you should select a single FE Reporting Line that you want to use for your analysis.

The report displays the underlying data according to the following Charts' logic:

- **Select Org Unit Hierarchy level**: The chart provides you with a selection capability for the desired Org Unit Hierarchical level.
- **Select Product Hierarchy level**: The chart provides you with a selection capability for the desired Product Hierarchical level.
- **Select Financial Statements Metric**: The chart provides you with a selection capability for the desired Financial Element reporting line. The *Financial Element Leaf Name* is the actual data on which the reporting is based whereas the chart provides with the parent levels for ease of finding out the Financial Element Leaf member.
  The columns displayed in the chart are the following:
  - Financial Element Level 1 Name

  - Financial Element Level 2 Name
  - Financial Element Level 3 Name
  - Financial Element Leaf Name

- **Organization Unit Hierarchy**: The chart provides you with two levels of the hierarchy – the selected level from the "Select Org Unit Hierarchy level" as well as the Org Unit leaf nodes. You use this chart to further filter down the "*Financial Statements – Trends"* charts.
- **Product Hierarchy**: The chart provides you with two levels of the hierarchy – the selected level from the "Select Product Hierarchy level" as well as the Product leaf nodes. You use this chart to further filter down the "*Financial Statements – Trends"* charts.
- **Financial Statements Line by Organization Unit and As-of-Date**: The chart reports the trend analysis of the Financial Statements reporting lines with respect to As-of-Date and it is split by Currency and Org Unit (the Org Unit display is based on the *Org Unit Hierarchy* level you're analyzing).
  The columns displayed in the chart are the following:
  - Currency Code
  - Org Unit Hierarchy
  - As Of Date
  - Functional Balance
- **Financial Statements Line by Product and As-of-Date**: The chart reports the trend analysis of the Financial Statements reporting lines with respect to As-of-Date and it is split by Currency and Product (the Product display is based on the Product *Hierarchy* level you're analyzing).

  The columns displayed in the chart are the following:
  - Currency Code
  - Product Hierarchy
  - As Of Date
  - Functional Balance
- **Financial Statements Line by Account Currency and As-of-Date**: The chart reports the trend analysis of the Financial Statements reporting lines with respect to As-of-Date and it is split further by Currency.

  The columns displayed in the chart are the following:
  - Currency Code
  - As Of Date
  - Functional Balance

Figure 119 "Financial Statements – Trends" Report

8.2.6 Financial Statements - Detail

The "Financial Statements – Detail" Report provides the details of the Financial Statements reporting lines with respect to As-of-Date, with the possibility to analyze multiple reporting lines in the same view or to focus the analysis on one or more specific reporting lines.

You can use a series of Report Prompts, as previously described, to filter the data according to key attributes pertaining to the underlying management ledger data.

The report displays the underlying data according to the following Charts' logic:

- **Financial Statements**

  The chart reports the detail analysis, in a tabular manner, of the Financial Statements reporting lines with respect to As-of-Date, and it is split by Currency.

  The columns displayed in the chart are the following:

  - Currency Code
  - Financial Element Level 1 Name
  - Financial Element Level 2 Name
  - Financial Element Level 3 Name
  - Financial Element Leaf Name
  - As Of Date
  - Functional Balance

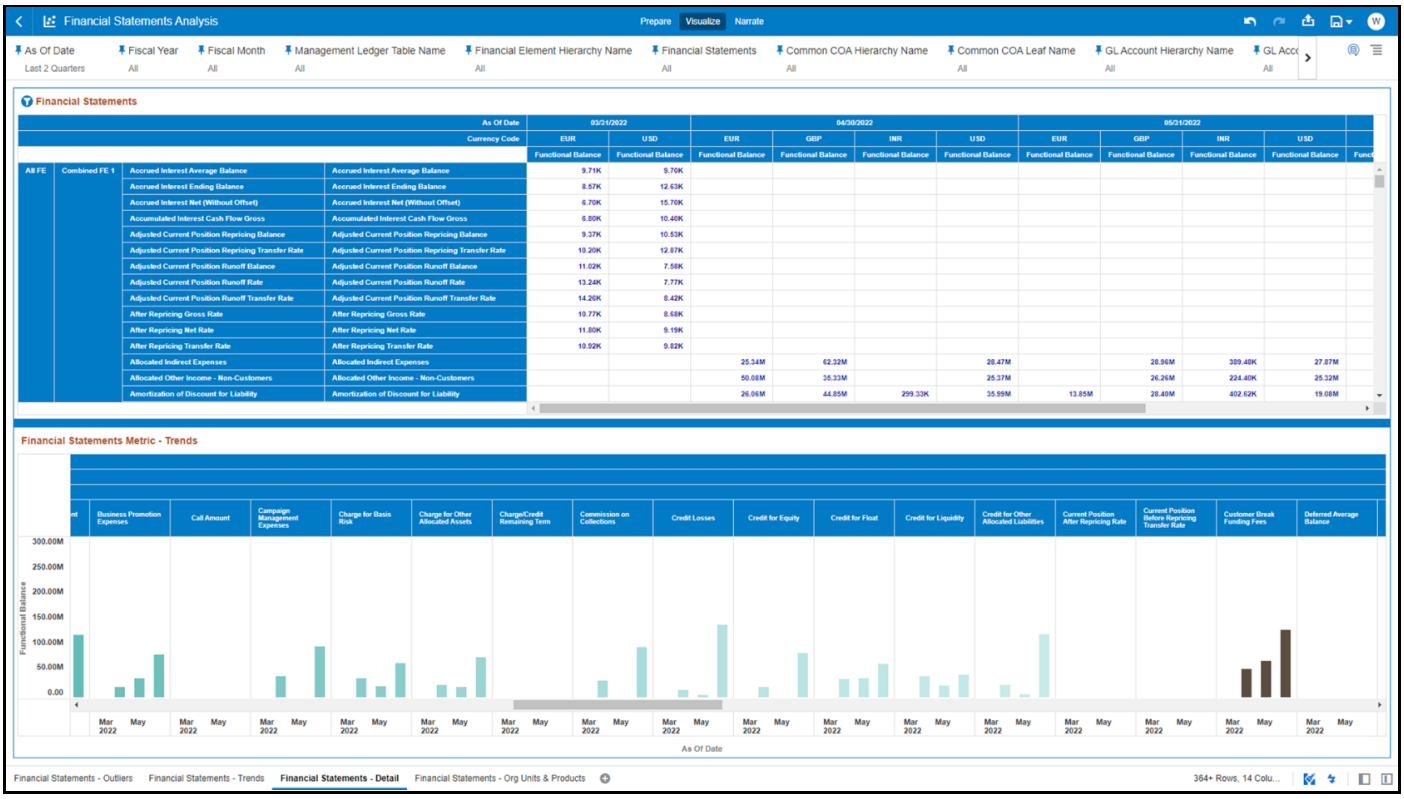
- **Financial Statements Metric – Trends**

  The chart reports the trend analysis of the Financial Statements reporting lines with respect to As-of-Date and it is split by Currency.

  The columns displayed in the chart are the following:

  - Currency Code
  - Financial Element Level 1 Name
  - Financial Element Level 2 Name
  - Financial Element Level 3 Name
  - As Of Date
  - Functional Balance

Figure 120 "Financial Statements – Detail" Report



8.2.7 Financial Statements - Org Units & Products

The "Financial Statements – Org Units & Products" Report ranks the top/bottom Org Units and Product based on the Financial Statements reporting lines balances with respect to As-of-Date.

You can use a series of Report Prompts, as previously described, to filter the data according to key attributes pertaining to the underlying management ledger data.

As described in the previous section Working with Financial Statement Reporting Lines, to perform a correct analysis, you should select a single FE Reporting Line that you want to use for your analysis.

The report displays the underlying data according to the following Charts' logic:

- **Select Org Unit Hierarchy level**: The chart provides you with a selection capability for the desired Org Unit Hierarchical level.
- **Select Product Hierarchy level**: The chart provides you with a selection capability for the desired Product Hierarchical level.
- **Select Financial Statements Metric**: The chart provides you with a selection capability for the desired Financial Element reporting line. The *Financial Element Leaf Name* is the actual data on which the reporting is based whereas the chart provides with the parent levels for ease of finding out the Financial Element Leaf member.

  The columns displayed in the chart are the following:

  - Financial Element Level 1 Name
  - Financial Element Level 2 Name
  - Financial Element Level 3 Name
  - Financial Element Leaf Name
- **Top Organization Unit by Selected Financial Statements Metric**: The chart ranks the top Org Units (the Org Units display is derived from the *Org Unit Hierarchy* level you're analyzing) based on the Financial Statements reporting lines balances with respect to As-of-Date and it is split by Currency. The top count has been defaulted to 5 and you can change the count value as required. The columns displayed in the chart are the following:

  - Currency Code
  - As Of Date
  - Org Unit Hierarchy
  - Functional Balance
- **Bottom Organization Unit by Selected Financial Statements Metric**: The chart ranks the bottom Org Units (the Org Units display is derived from the *Org Unit Hierarchy* level you're analyzing) based on the Financial Statements reporting lines balances with respect to As-of-Date and it is split by Currency. The bottom count has been defaulted to 5 and you can change the count value as required.

  The columns displayed in the chart are the following:

  - Currency Code
  - As Of Date
  - Org Unit Hierarchy
  - Functional Balance
- **Top Products by Selected Financial Statements Metric**: The chart ranks the top Products (the Products display is derived from the *Product Hierarchy* level you're analyzing) based on the Financial Statements reporting lines balances with respect to As-of-Date and it is split by Currency. The top count has been defaulted to 5 and you can change the count value as required.
  The columns displayed in the chart are the following:

  - Currency Code

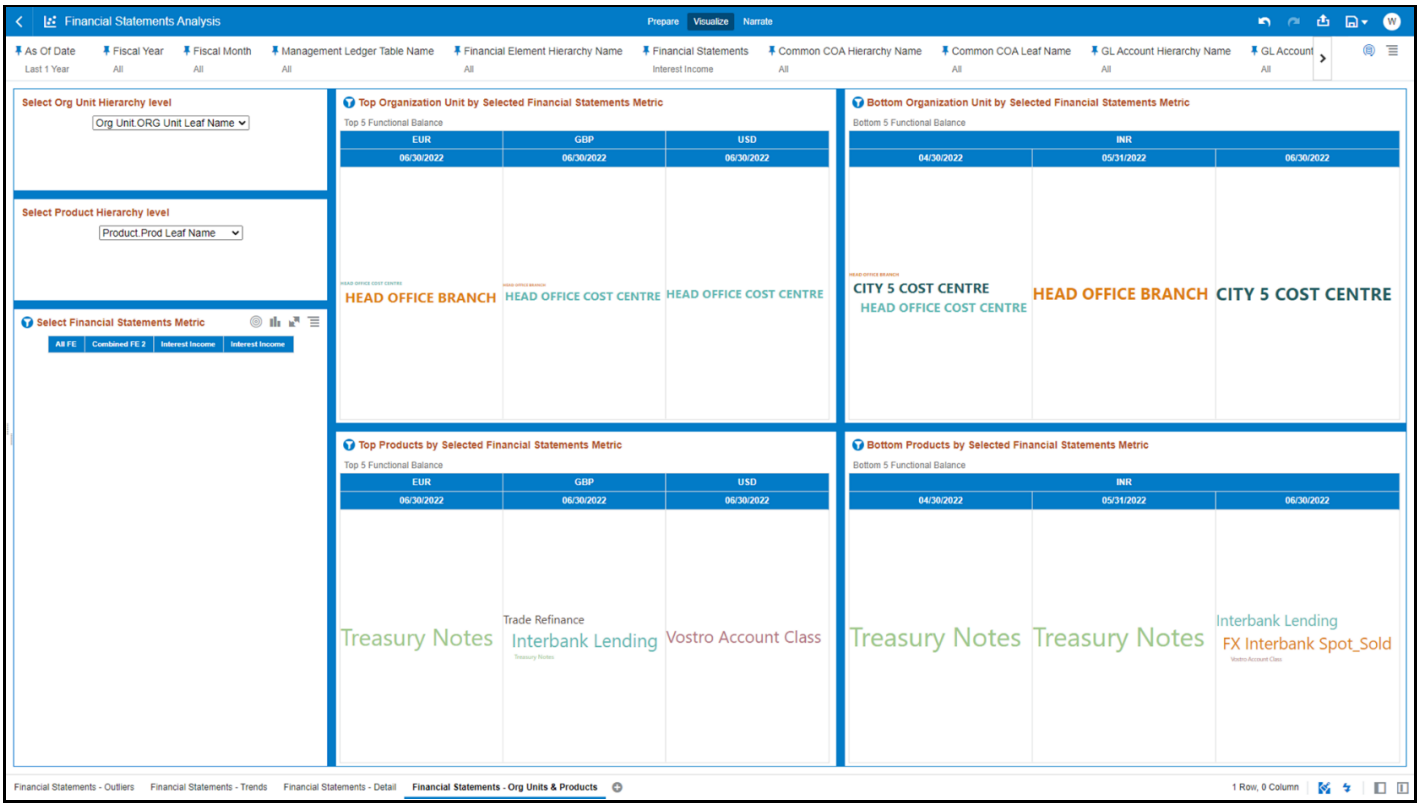
- As Of Date
- Product Hierarchy
- Functional Balance

- **Bottom Products by Selected Financial Statements Metric**: The chart ranks the bottom Products (the Products display is derived from the *Product Hierarchy* level you're analyzing) based on the Financial Statements reporting lines balances with respect to As-of-Date and it is split by Currency. The bottom count has been defaulted to 5 and you can change the count value as required.

  The columns displayed in the chart are the following:

  - Currency Code
  - As Of Date
  - Product Hierarchy
  - Functional Balance

Figure 121 "Financial Statements – Org Units & Products" Report



OFSAA Support

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- Do you need more information? If so, where?
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