

Oracle Financial Services

Funds Transfer Pricing Cloud Service BI Analytics User Guide



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1

Get Help

Topics:

- [Get Help in the Applications](#)
- [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, and are also available in this guide.

1.3 Get Support

You can get support at [My Oracle Support](#).

For accessibility 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 would 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](#)
- [Getting Started with Funds Transfer Pricing Cloud Service](#)

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) Cloud 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.

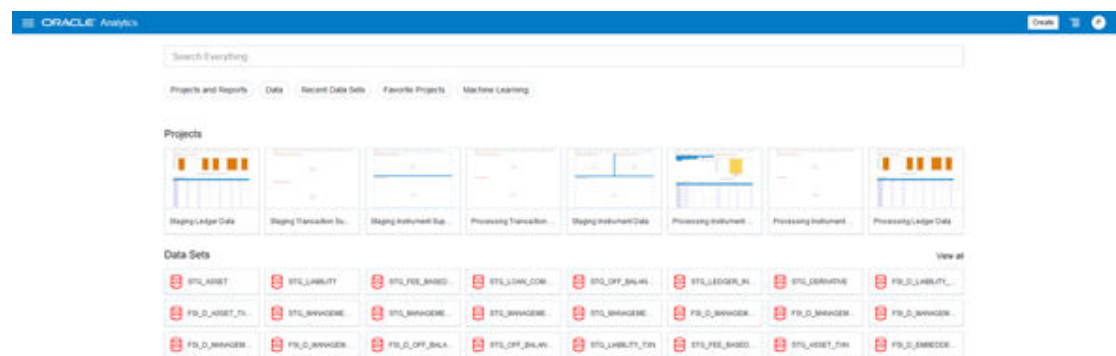
3

Access Business Intelligence (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, from the LHS Menu, select **Analytics**, and then select **Home Page**.

Figure 3-1 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.

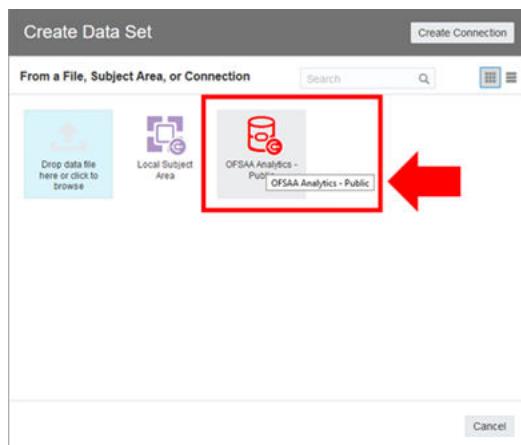
A Data Set contains Data Source Connection Information, Tables, the Columns you specify, and the Data Enrichments, and Transformations that you apply.

For more information, see [Visualizing Data and Building Reports in Oracle Analytics Cloud](#).

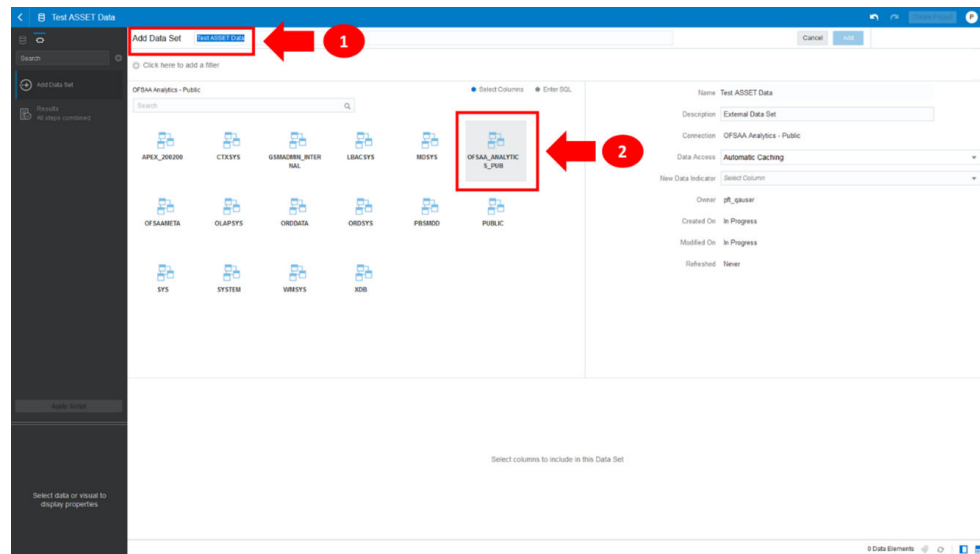
To access the SQL Query Browser and prepare Data, follow these steps:

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.

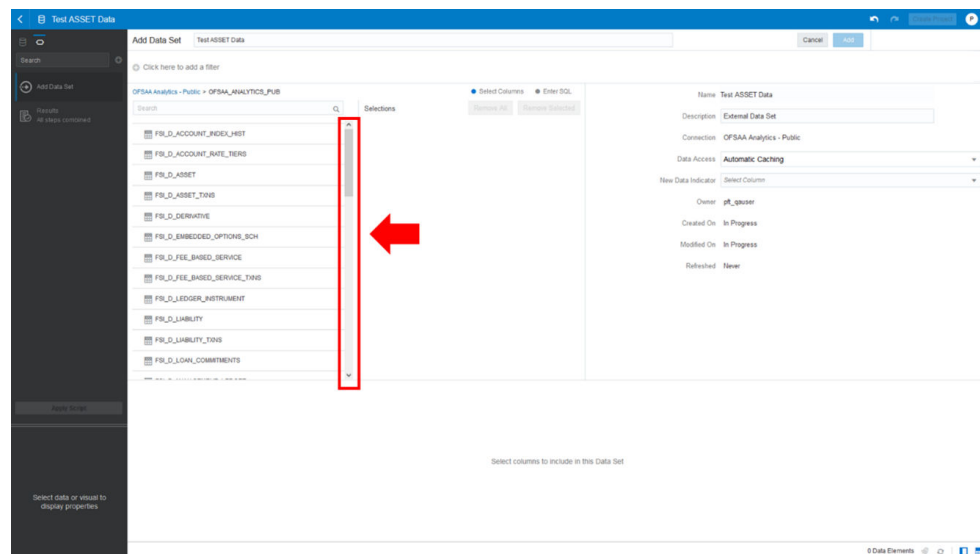
Figure 4-1 Create Data Set Screen



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.

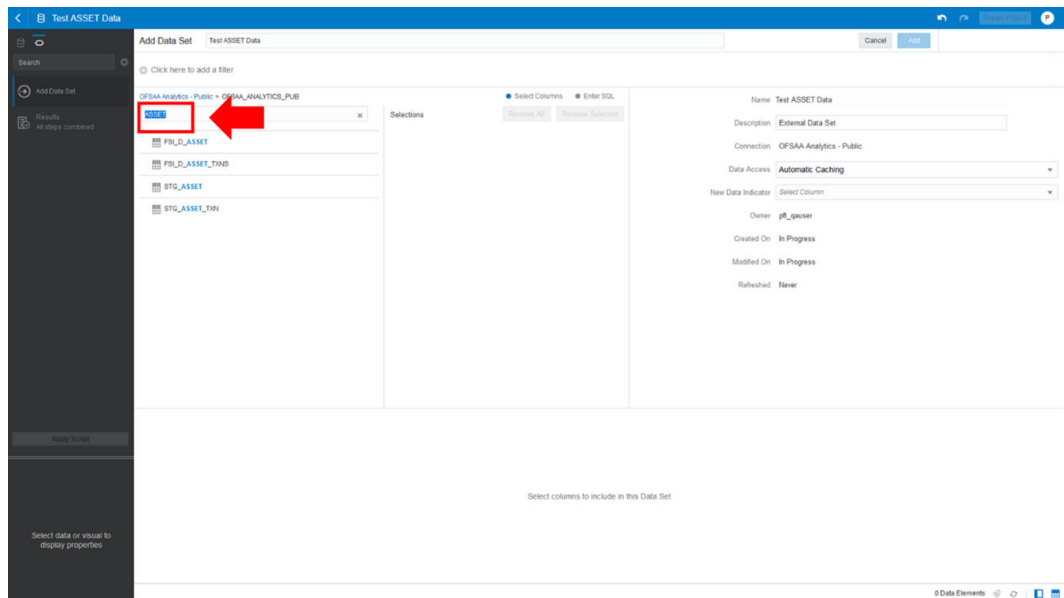
Figure 4-2 Add Data Set

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 4-3 Add Data Set – Search from the List

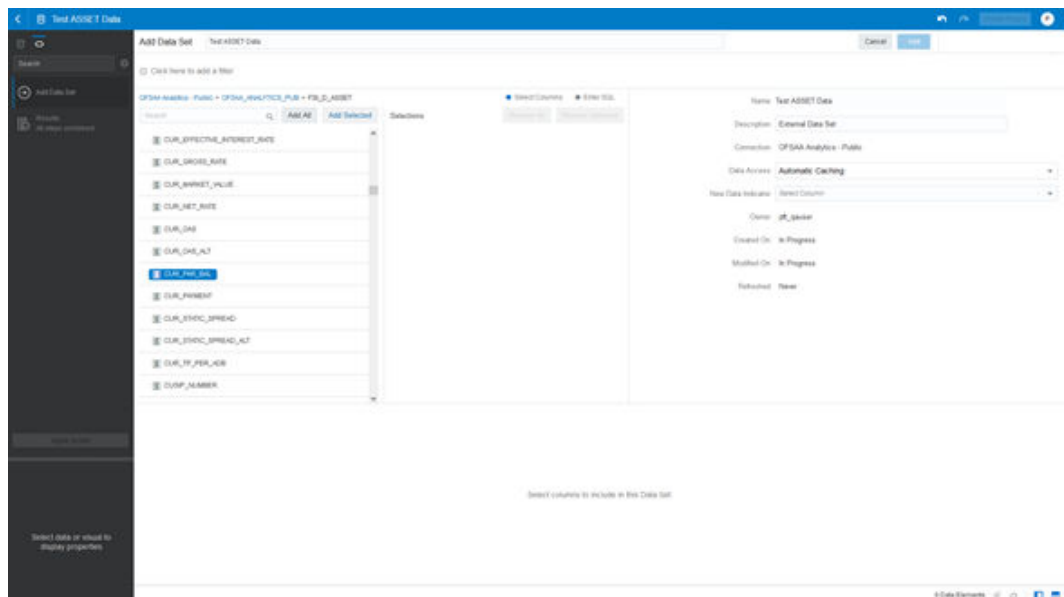
Or

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

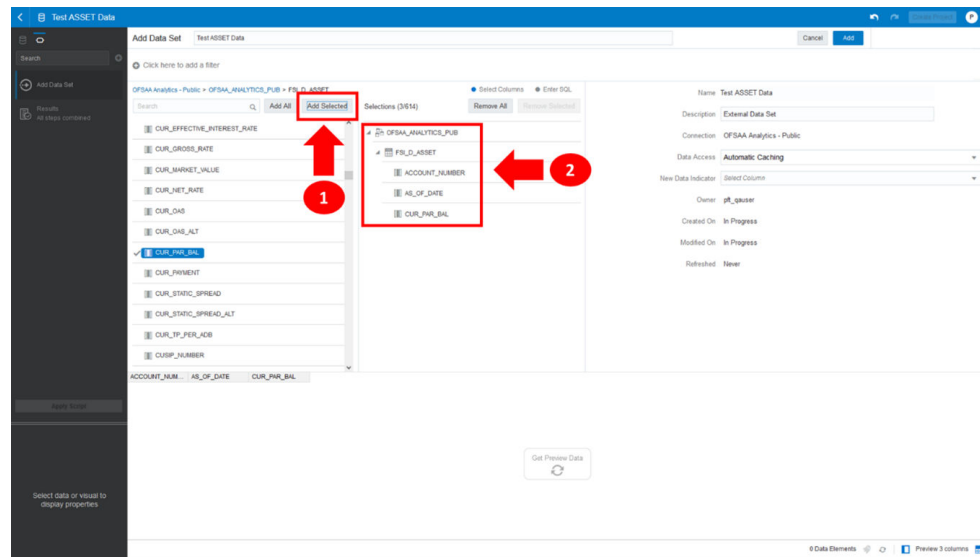
Figure 4-4 Add Data Set – Search by Name

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

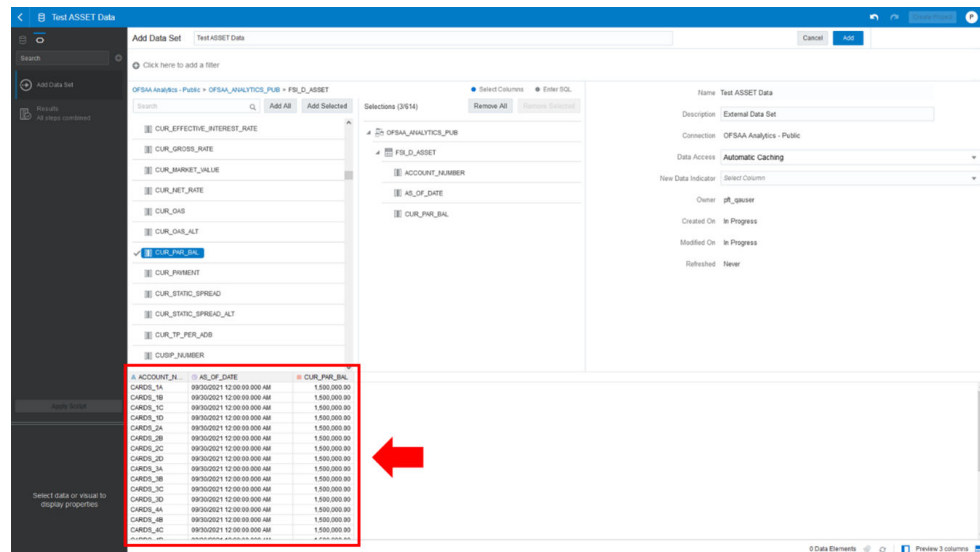
5. You search the Columns that are available for the selected Database Object by scrolling.

Figure 4-5 Add Data Set – Search Columns

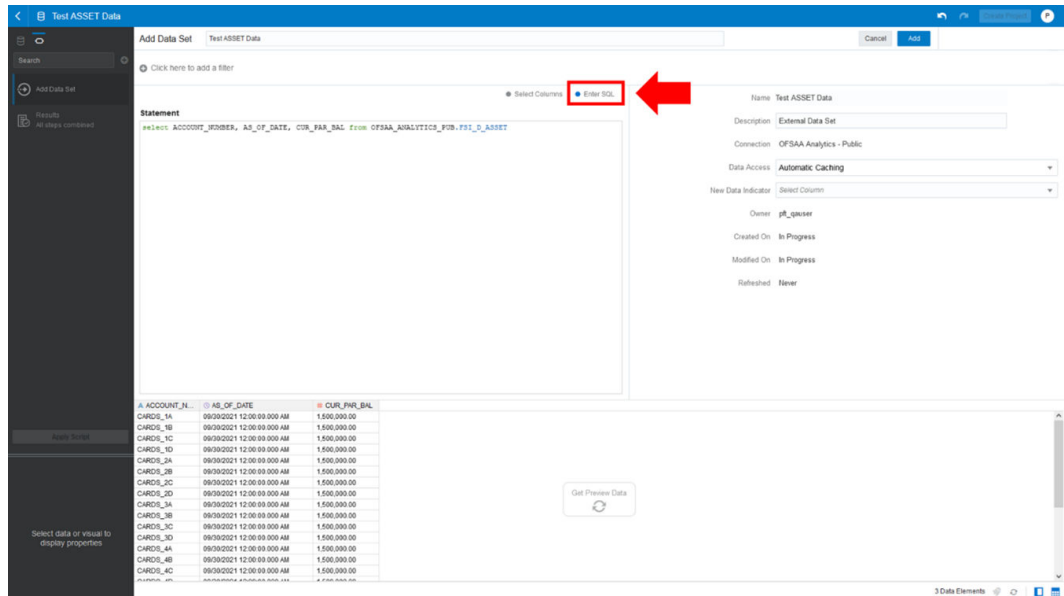
6. Add the Database Object Column as required.

Figure 4-6 Add Data Set – Adding the Database Object Column

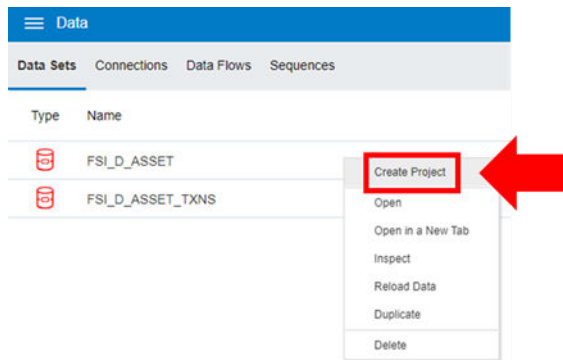
7. Click Get Preview Data to display the retrieved Data Results.

Figure 4-7 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 4-8 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.
11. Right-click on the Data Set name to display the options as shown:

Figure 4-9 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 5-1 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	Stage Asset	Assets
			STG_LIABILITY	Instruments	Liabilities
			STG_DERIVATIVE	Stage Liability Instruments	Derivative Contracts
			STG_FEE_BASED_SERVICE	Stage Derivative Contracts	Fee Based Services
			STG_LOAN_COMMITMENTS	Stage Fee Based and Other Services	Loan Commitments
			STG_OFF_BALANCE_SHEET	Stage Loan Commitments	Off Balance Sheet Items
			STG_LEDGER_INSTRUMENT	Stage Off Balance Sheet Contracts	Ledger - Instruments
				Stage Ledger Instrument	
			STG_ACCOUNT_INDEX_HISTORY	Stage Account Index History	Account Index History
			STG_ACCOUNT_RATE_TIERS	Stage Account Rate Tiers	Account Rate Tiers
Staging Instrument Supplementary Data	Instrument Supplementary	STG Staging	STG_EMBEDDED_OPTIONS_SCHEDULE	Stage Embedded Options Schedule	Embedded Options Schedule
			STG_PAYMENT_SCHEDULE	Stage Payment Schedule	Payment Schedule

Table 5-1 (Cont.) Raw Data Analysis Reports

Report Name	Scope	Table Layer	Physical Table List	Logical Table List	Report Canvas Name
Staging Ledger Data	Ledger	STG Staging	STG_MANAGE	Stage	Management
			MENT_LEDGE	Management	Ledger
			R	Ledger	Management
			STG_MANAGE	Stage	Ledger 01
			MENT_LEDGE	Placeholder	Management
			R_01	Management	Ledger 02
			STG_MANAGE	Ledger 01	Management
			MENT_LEDGE	Stage	Ledger 03
			R_02	Placeholder	Management
			STG_MANAGE	Management	Ledger 04
			MENT_LEDGE	Ledger 02	Management
			R_03	Stage	Ledger 05
			STG_MANAGE	Placeholder	
			MENT_LEDGE	Management	
			R_04	Ledger 03	
			STG_MANAGE	Stage	
			MENT_LEDGE	Placeholder	
			R_05	Management	
				Ledger 04	
				Stage	
Staging Transaction Summary Data	Transaction Summary	STG Staging	STG_ASSET_T	Stage Asset	Assets
			XN	Transaction	Transaction
			STG_LIABILIT	Summary	Summary
			Y_TXN	Stage Liability	Liabilities
			STG_FEE_BA	Transaction	Transaction
			SED_SERVICE	Summary	Summary
			_TXN	Stage Fee	Fee Based
			STG_OFF_BAL	Based and	Services
			ANCE_SHEET	Other Services	Transaction
			_TXN	Transaction	Summary
				Summary	Off Balance
				Stage Off	Sheet
				Balance Sheet	Transaction
				Transaction	Summary
				Summary	

Table 5-1 (Cont.) Raw Data Analysis Reports

Report Name	Scope	Table Layer	Physical Table List	Logical Table List	Report Canvas Name
Processing Instrument Data	Instrument	FSI Processing	FSI_D_ASSET	Asset	Assets
			FSI_D_LIABILITY	Instruments	Liabilities
			FSI_D_DERIVATIVE	Liability Instruments	Derivative Contracts
			FSI_D_FEE_BASED_SERVICE	Derivative Contracts	Fee Based Services
			FSI_D_LOAN_COMMITMENTS	Fee Based and Other Services	Loan Commitments
			FSI_D_OFF_BALANCE_SHEET	Loan Commitments	Off Balance Sheet Items
			FSI_D_OFF_BALANCE_SHEET	Off Balance Sheet Contracts	Ledger Instruments
			FSI_D_LEDGER_INSTRUMENT	Ledger Instrument	
Processing Instrument Supplementary Data	Instrument Supplementary	FSI Processing	FSI_D_ACCOUNT_INDEX_HISTORY	Account Index History	Account Index History
			FSI_D_ACCOUNT_RATE_TIERS	Account Rate Tiers	Account Rate Tiers
			FSI_D_ACCOUNT_RATE_TIE_RS	Embedded Options	Embedded Options
			FSI_D_EMBEDDED_OPTION_S_SCH	Schedule	Schedule
			FSI_D_PAYMENT_SCHEDULE	Payment Schedule	Payment Schedule
Processing Ledger Data	Ledger	FSI Processing	FSI_D_MANAGEMENT_LEDGER	Management Ledger	Management Ledger
			FSI_D_MANAGEMENT_LEDGER_01	Placeholder	Management Ledger 01
			FSI_D_MANAGEMENT_LEDGER_02	Management Ledger 01	Management Ledger 02
			FSI_D_MANAGEMENT_LEDGER_03	Placeholder	Management Ledger 03
			FSI_D_MANAGEMENT_LEDGER_04	Management Ledger 02	Management Ledger 04
			FSI_D_MANAGEMENT_LEDGER_05	Placeholder	Management Ledger 05
			FSI_D_MANAGEMENT_LEDGER_06	Management Ledger 03	
			FSI_D_MANAGEMENT_LEDGER_07	Placeholder	
			FSI_D_MANAGEMENT_LEDGER_08	Management Ledger 04	
			FSI_D_MANAGEMENT_LEDGER_09	Placeholder	

Table 5-1 (Cont.) Raw Data Analysis 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	Asset Transaction Summary	Assets Transaction Summary
			FSI_D_LIABILITY_TXNS	Liability Transaction Summary	Liabilities Transaction Summary
			FSI_D_FEE_BASSED_SERVICE_ETXNS	Fee Based and Other Services Transaction Summary	Fee Based Services Transaction Summary
			FSI_D_OFF_BALANCE_SHEET_ETXNS	Off Balance Sheet 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 5-2 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	Stage Asset	Assets
			STG_LIABILITY	Instruments	Liabilities
			STG_DERIVATIVE	Stage Liability Instruments	Derivative Contracts
			STG_FEE_BASSED_SERVICE	Stage Derivative Contracts	Fee Based Services
			STG_LOAN_COMMITMENTS	Stage Fee Based and Other Services	Loan Commitments
			STG_OFF_BALANCE_SHEET_ET	Stage Loan Commitments	Off Balance Sheet Items
			STG_LEDGER_INSTRUMENT	Stage Off Balance Sheet Contracts	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.

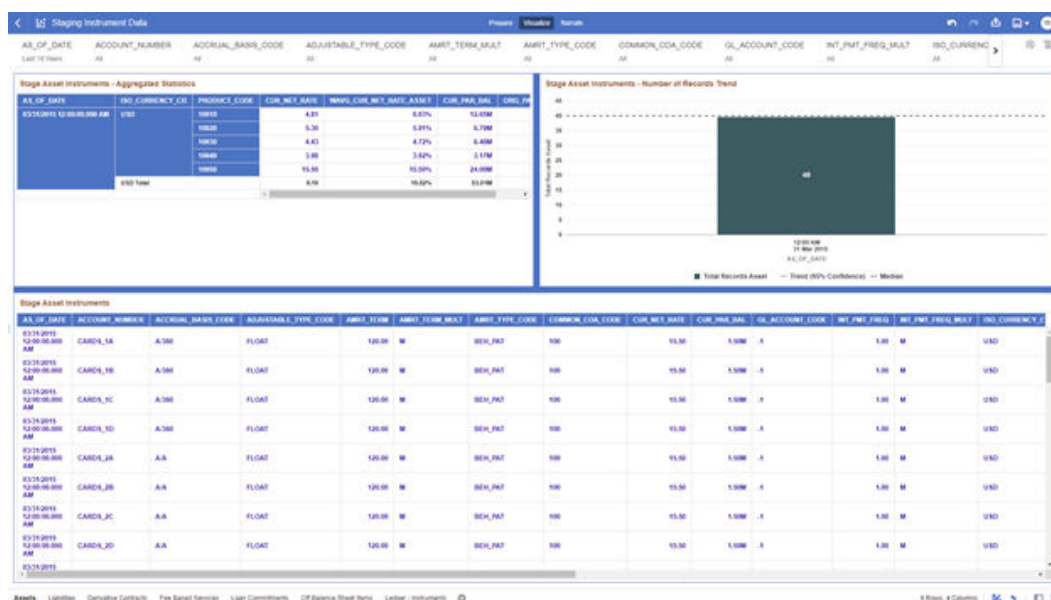
The report displays the underlying data according to the following Charts' logic:

- 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 5-1 Staging 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.

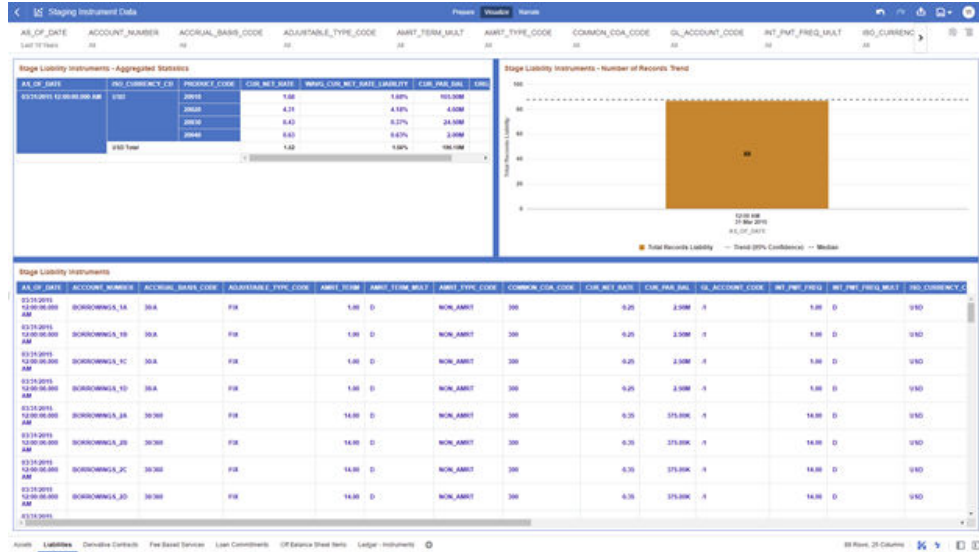
The report displays the underlying data according to the following Charts' logic:

- 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 5-2 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.

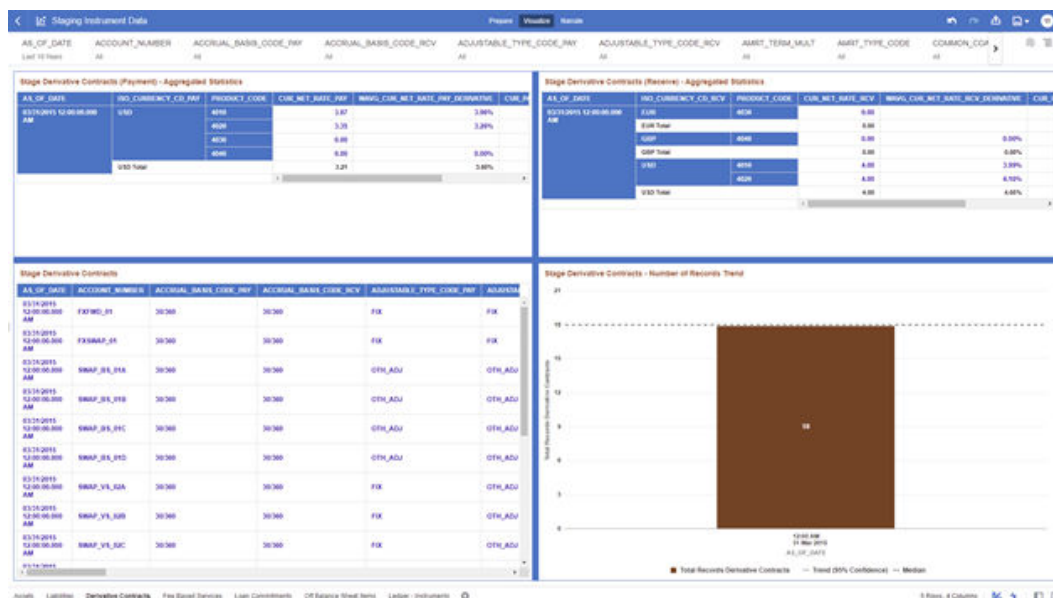
In addition, for CUR_NET_RATE, the additional Balance Weighted Rate, WAVG_CUR_NET_RATE_PAY_DERIVATIVE, is calculated as the Weighted AVG by CUR_PAR_BAL_PAY.

- 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 5-3 Staging Instrument Data – Derivative Contracts



5.1.4 Fee Based Services

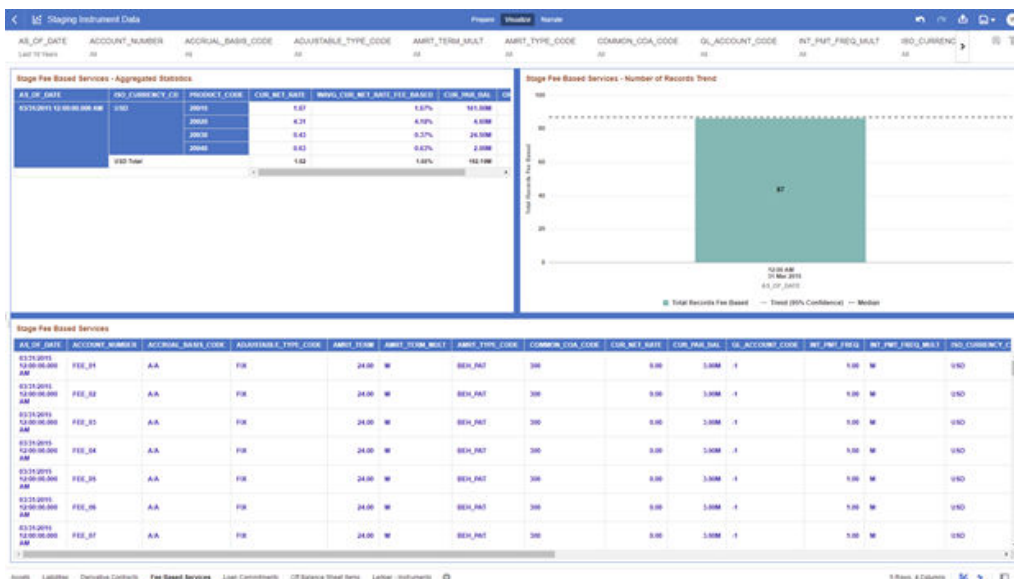
The Fee Based Services Report provides the Analysis Capability on the Stage Fee Based and Other Services Table.

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 5-4 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.

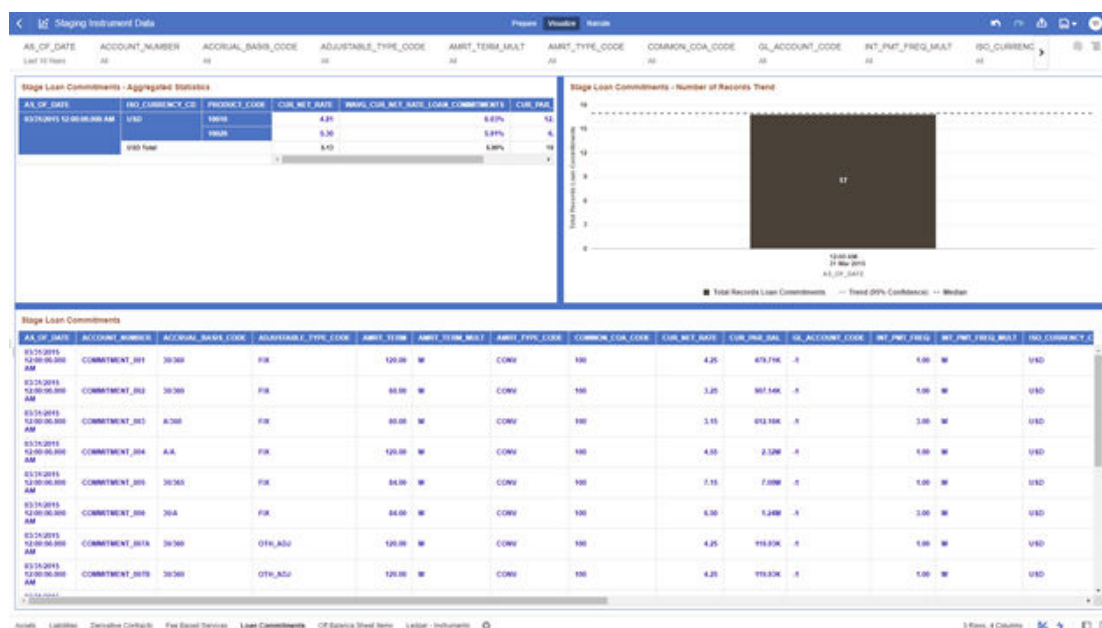
The report displays the underlying data according to the following Charts' logic:

- 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 5-5 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.

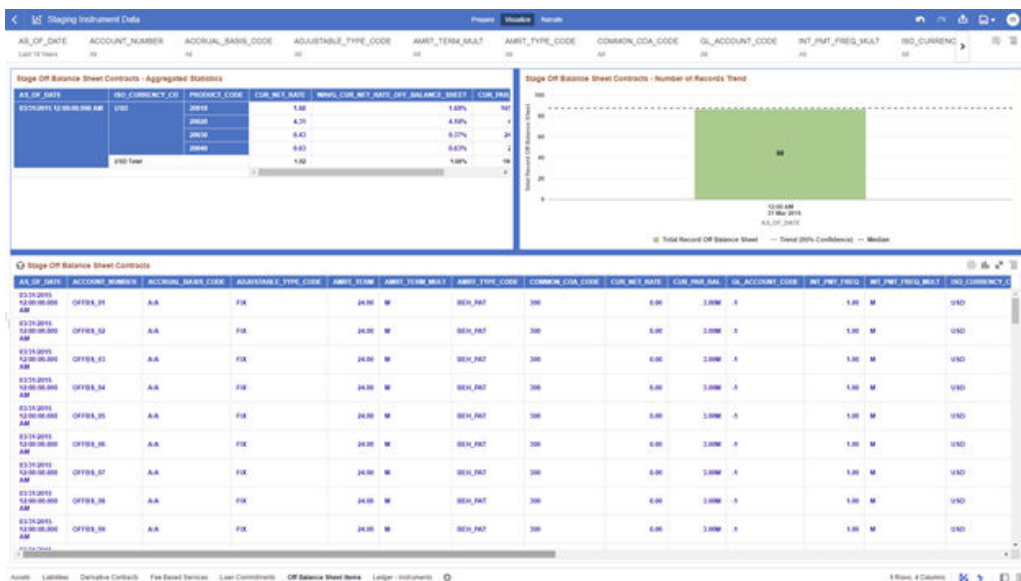
You can use a series of Report Prompts to filter the data according to Functional Key Attributes pertaining to the Table Columns Perimeter.

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 5-6 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.

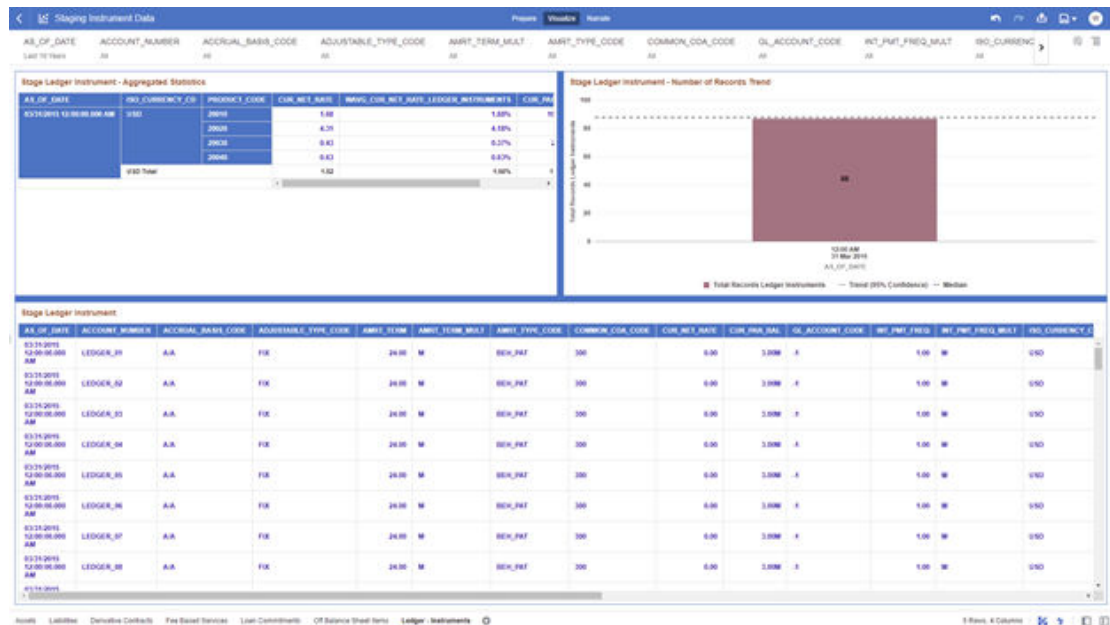
The report displays the underlying data according to the following Charts' logic:

- 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 5-7 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 5-3 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_ACCOUN T_INDEX_HIST	Stage Account Index History	Account Index History
			STG_ACCOUN T_RATE_TIER S	Stage Account Rate Tiers	Account Rate Tiers
			STG_EMBEDD ED_OPTIONS_ SCH	Stage Embedded Options Schedule	Embedded Options Schedule
			STG_PAYMEN T_SCHEDULE	Stage Payment Schedule	Payment Schedule

5.2.1 Account Index History

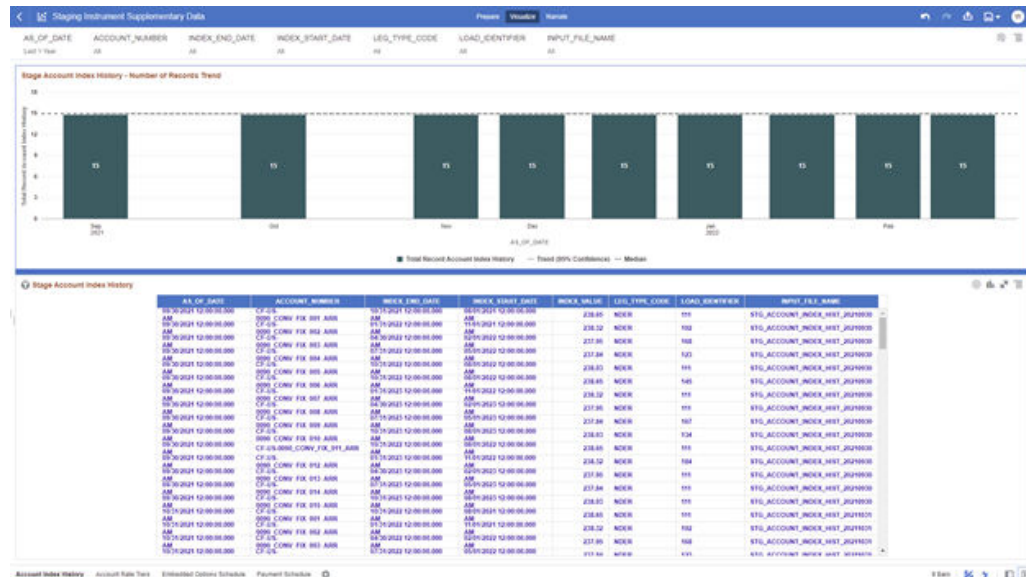
The Account Index History Report provides the analysis capability on the Stage Account Index History Table.

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
Granular table records at ACCOUNT_NUMBER level.

Figure 5-8 Staging Instrument Supplementary Data – Account Index History



5.2.2 Account Rate Tiers

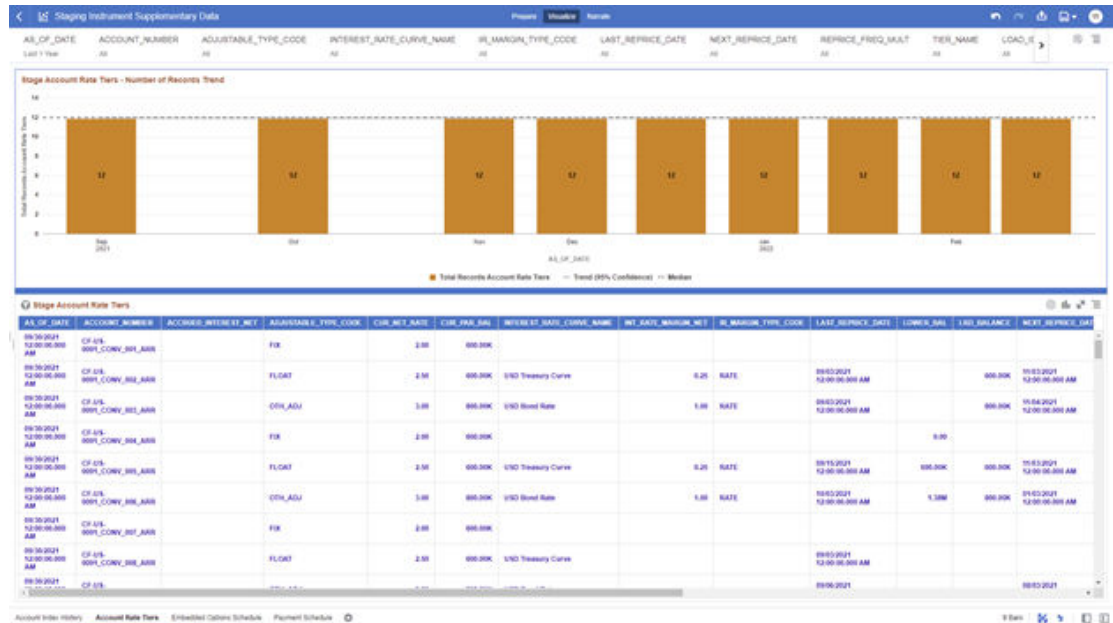
The Account Rate Tiers Report provides the analysis capability on the Stage Account Rate Tiers Table.

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 5-9 Staging Instrument Supplementary Data – Account Rate Tiers



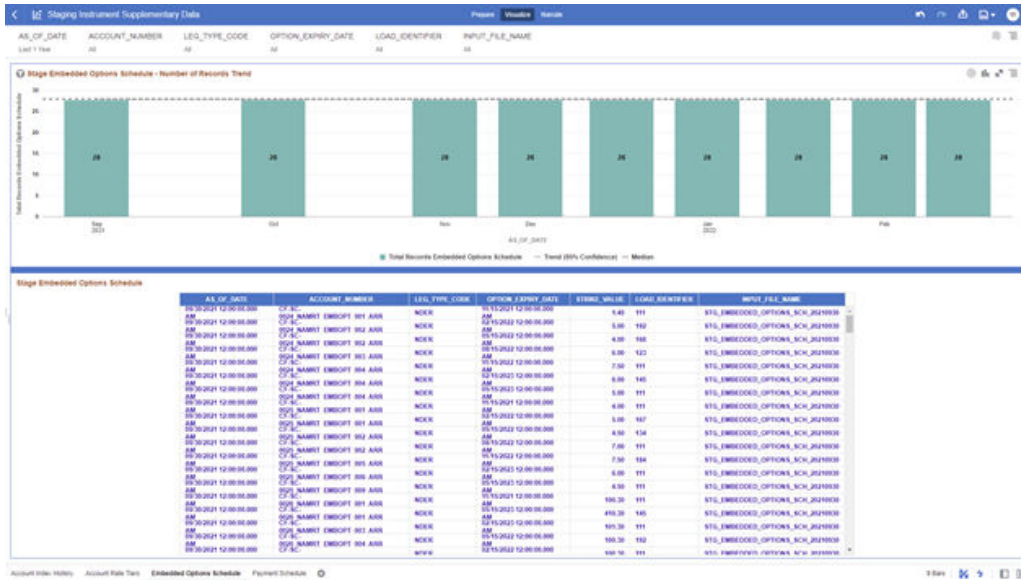
5.2.3 Embedded Options Schedule

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 5-10 Staging Instrument Supplementary Data – Embedded Options Schedule

5.2.4 Payment Schedule

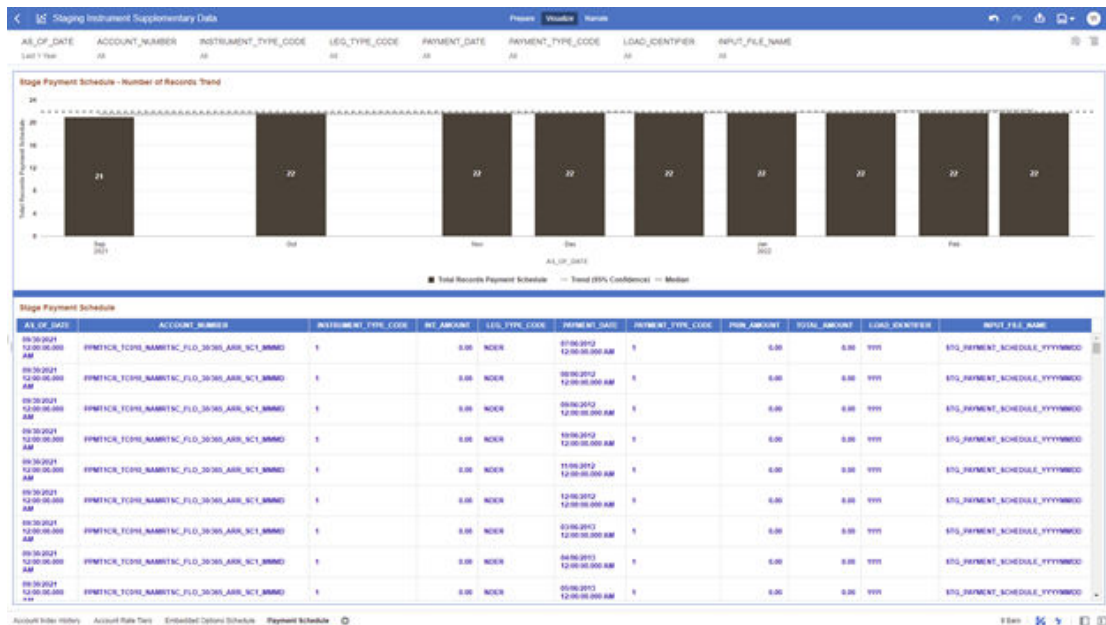
The Payment Schedule Report provides the analysis capability on the Stage Payment Schedule Table.

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 5-11 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:

Table 5-4 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	Stage Management Ledger	Management Ledger
			STG_MANAGEMENT_LEDGER_01	Stage Placeholder Management Ledger 01	Management Ledger 01
			STG_MANAGEMENT_LEDGER_02	Stage Placeholder Management Ledger 02	Management Ledger 02
			STG_MANAGEMENT_LEDGER_03	Stage Placeholder Management Ledger 03	Management Ledger 03
			STG_MANAGEMENT_LEDGER_04	Stage Placeholder Management Ledger 04	Management Ledger 04
			STG_MANAGEMENT_LEDGER_05	Stage Placeholder Management Ledger 05	Management Ledger 05
				Stage Placeholder Management Ledger 05	
				Stage Placeholder Management Ledger 05	
				Stage Placeholder Management Ledger 05	
				Stage Placeholder Management Ledger 05	
				Stage Placeholder Management Ledger 05	
				Stage Placeholder Management Ledger 05	
				Stage Placeholder Management Ledger 05	
				Stage Placeholder Management Ledger 05	
				Stage Placeholder Management Ledger 05	

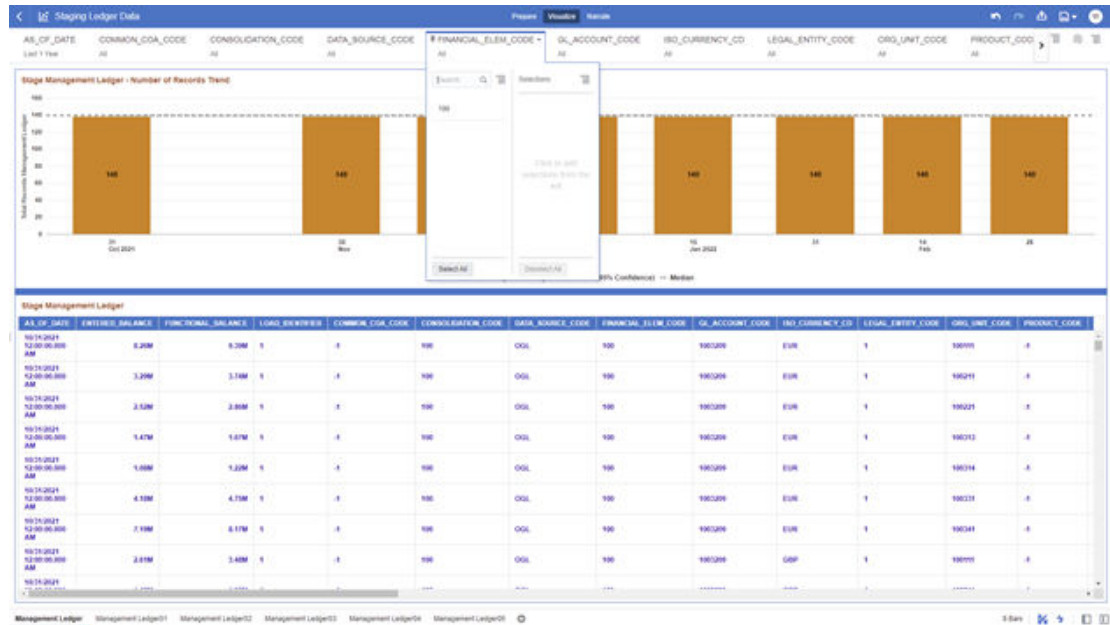
5.3.1 Management Ledger

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 5-12 Staging Ledger Data – Management Ledger

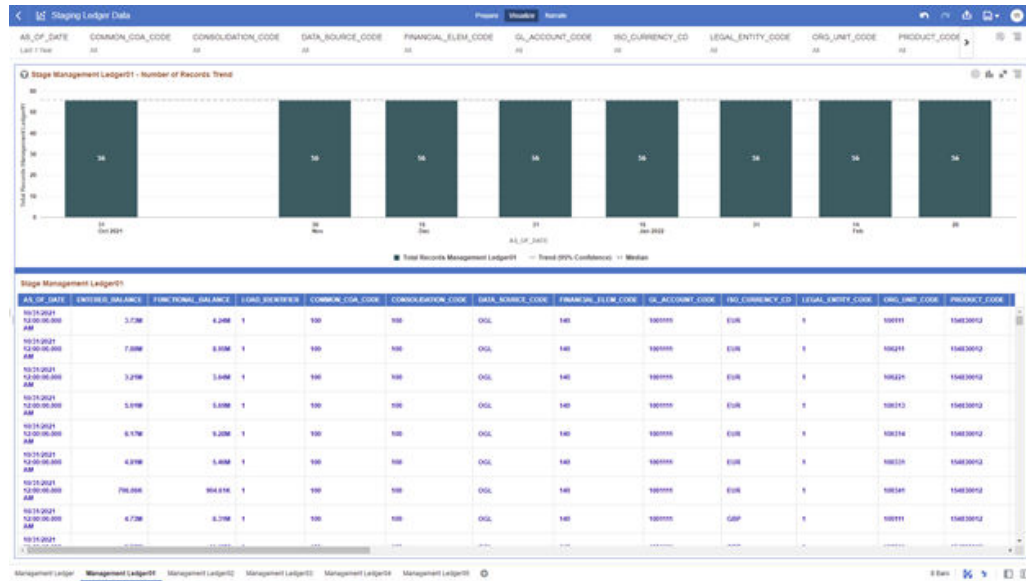
5.3.2 Management Ledger01

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 5-13 Staging Ledger Data – Management Ledger01

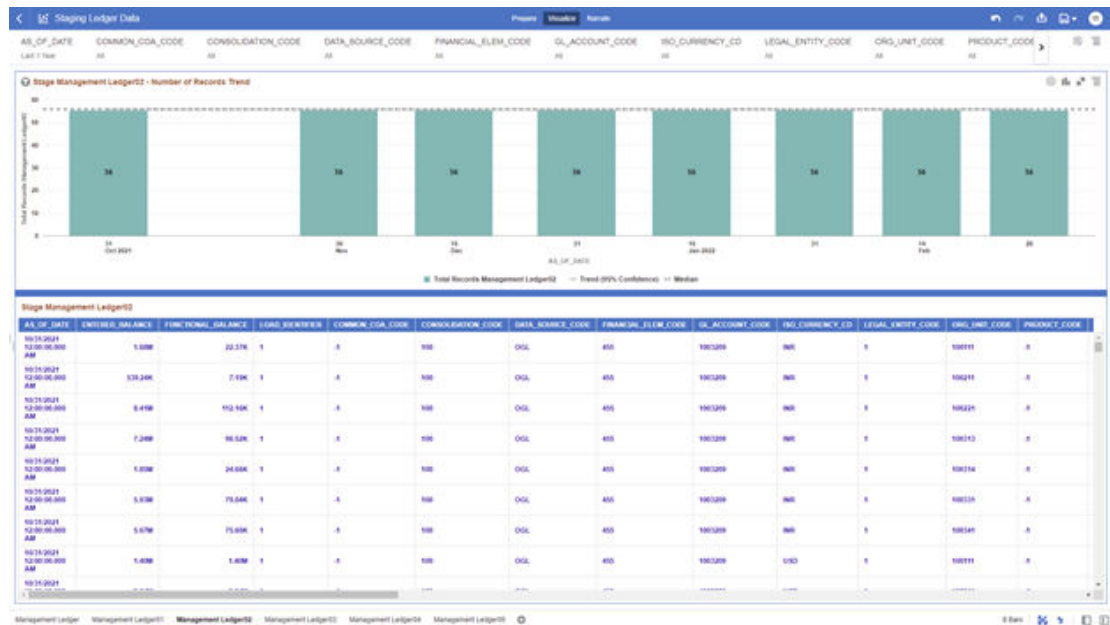
5.3.3 Management Ledger02

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 5-14 Staging Ledger Data – Management Ledger02

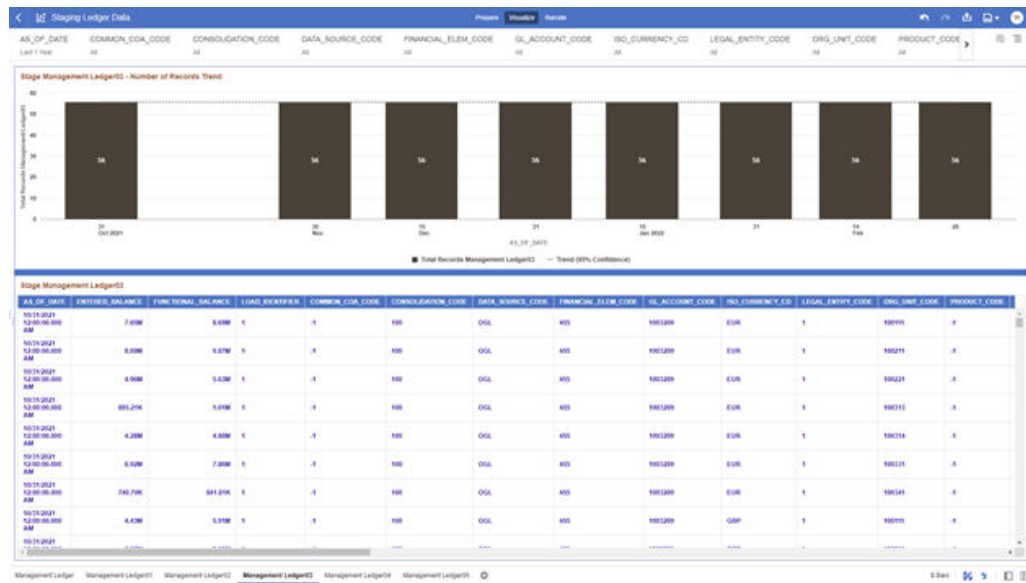
5.3.4 Management Ledger03

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 5-15 Staging Ledger Data – Management Ledger03

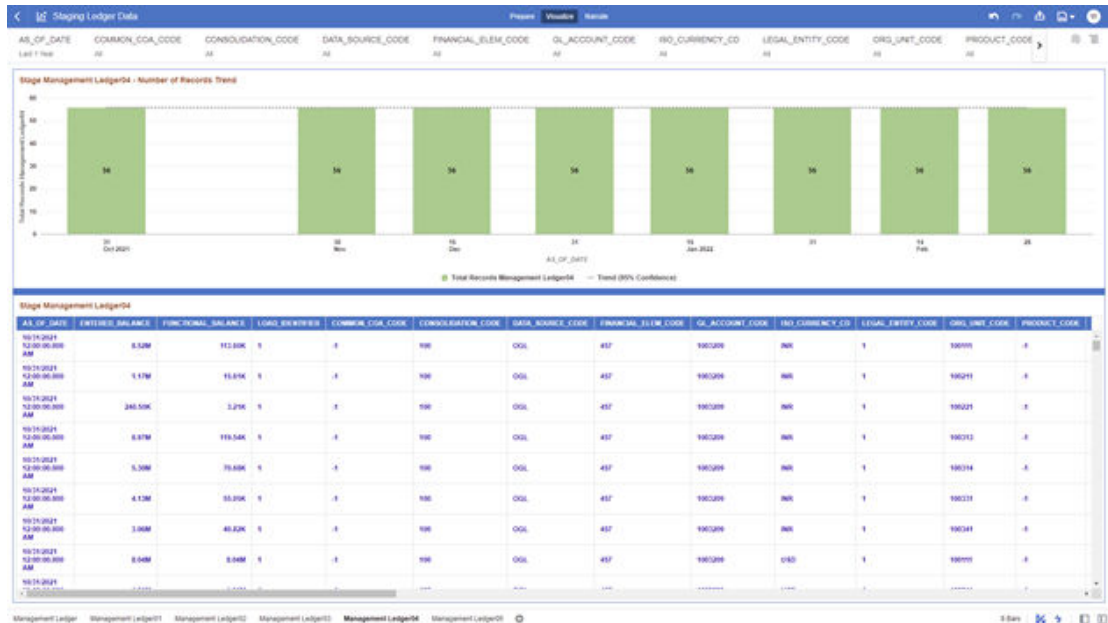
5.3.5 Management Ledger04

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 5-16 Staging Ledger Data – Management Ledger04

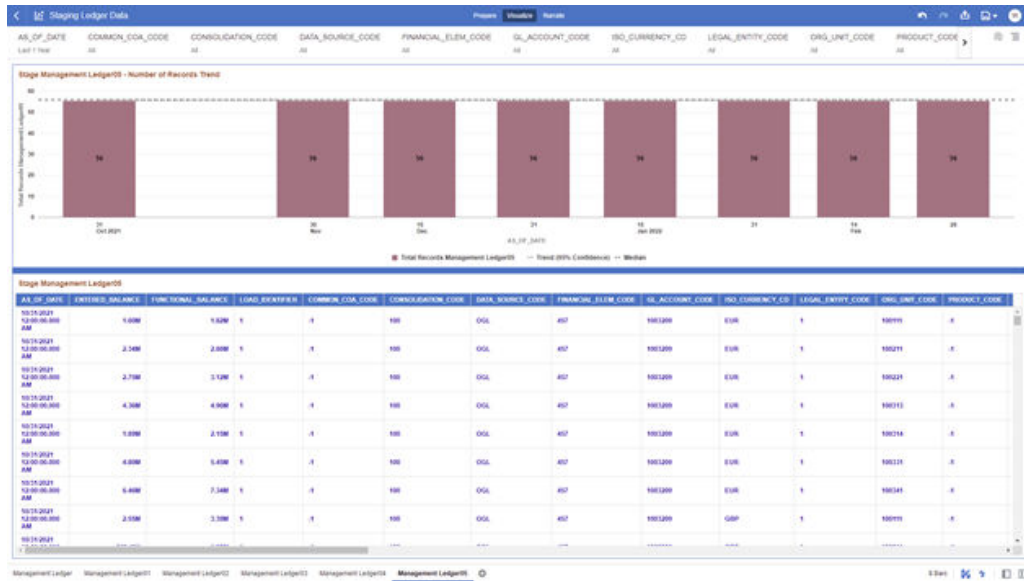
5.3.6 Management Ledger05

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 5-17 Staging Ledger Data – Management Ledger05

5.4 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 5:

Table 5-5 Processing Instrument 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 Services Loan and Other Services Loan Commitments Off Balance Sheet Items Off Balance Sheet Contracts Ledger Instrument	Assets Liabilities Derivative Contracts Fee Based Services Loan Commitments Off Balance Sheet Items Ledger - Instruments

5.4.1 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.

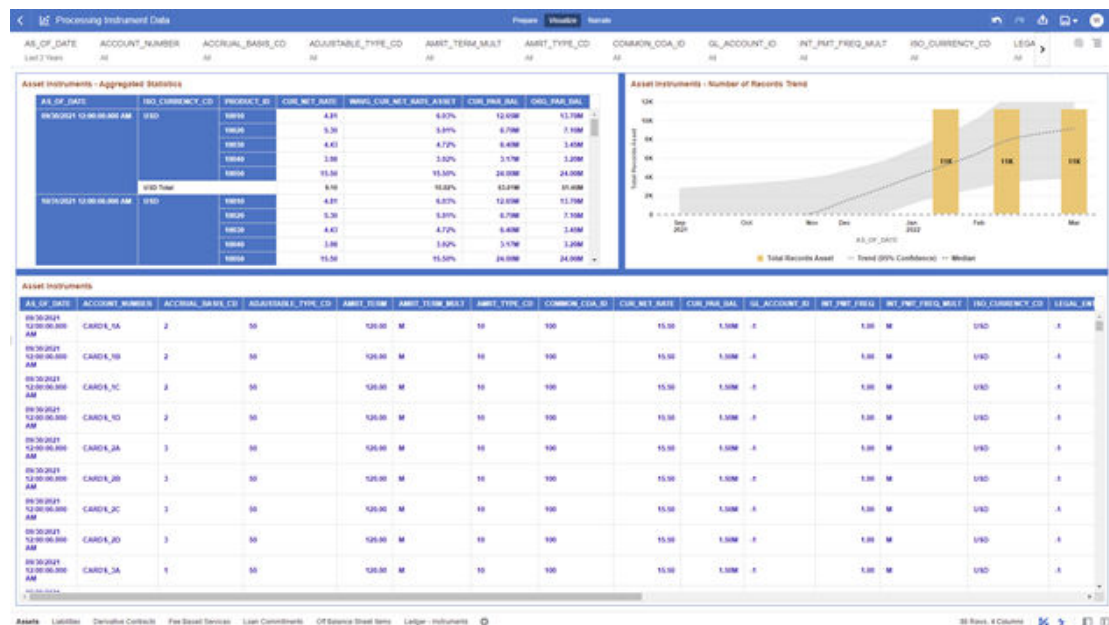
The report displays the underlying data according to the following Charts' logic:

- 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 5-18 Processing Instrument Data - Assets



5.4.2 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.

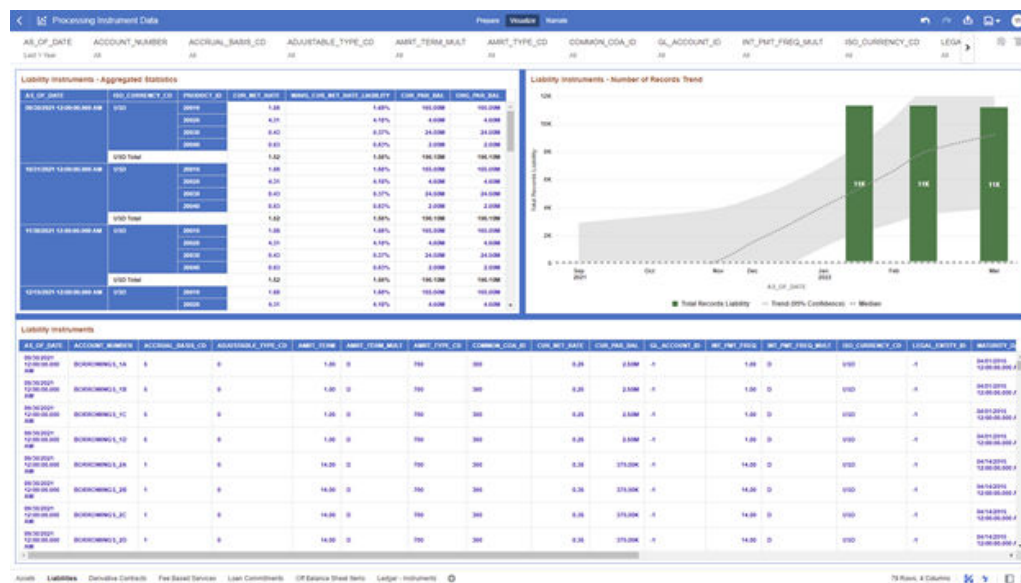
The report displays the underlying data according to the following Charts' logic:

- 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 5-19 Processing Instrument Data - Liabilities



5.4.3 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:

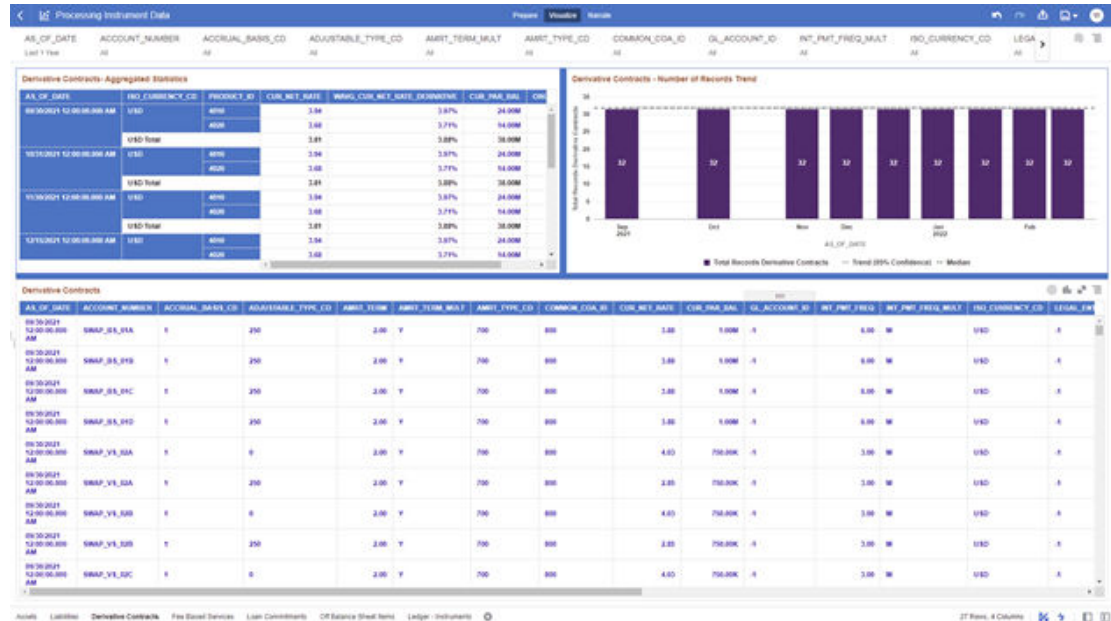
- Derivative Contracts - Aggregated Statistics
Aggregation for CUR_PAR_BAL (sum), ORG_PAR_BAL (sum) and CUR_NET_RATE (avg) by AS_OF_DATE, ISO_CURRENCY_CD and PRODUCT_ID.

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 5-20 Processing Instrument Data – Derivative Contracts



5.4.4 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.

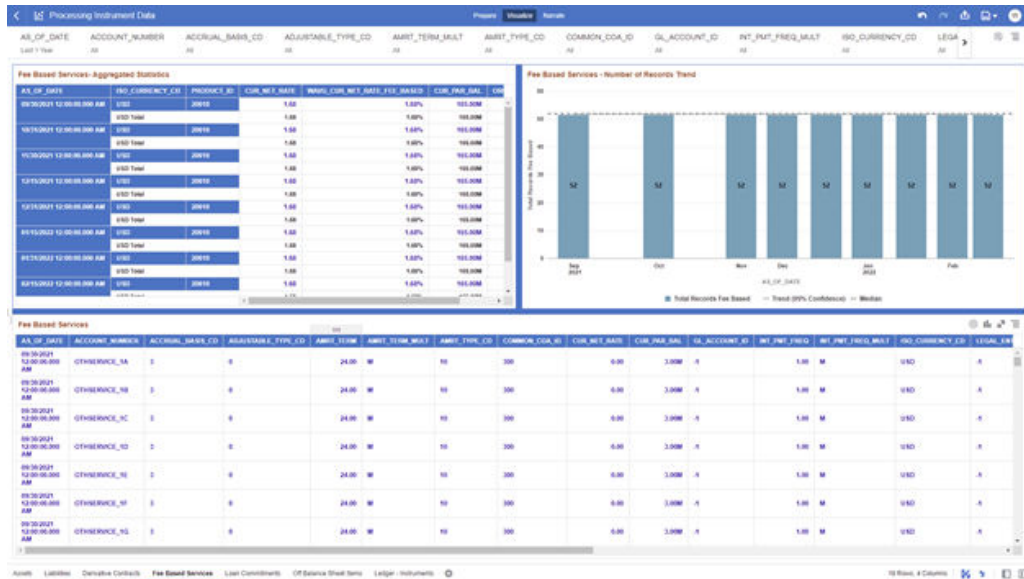
The report displays the underlying data according to the following Charts' logic:

- 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 5-21 Processing Instrument Data – Fee Based Services



5.4.5 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.

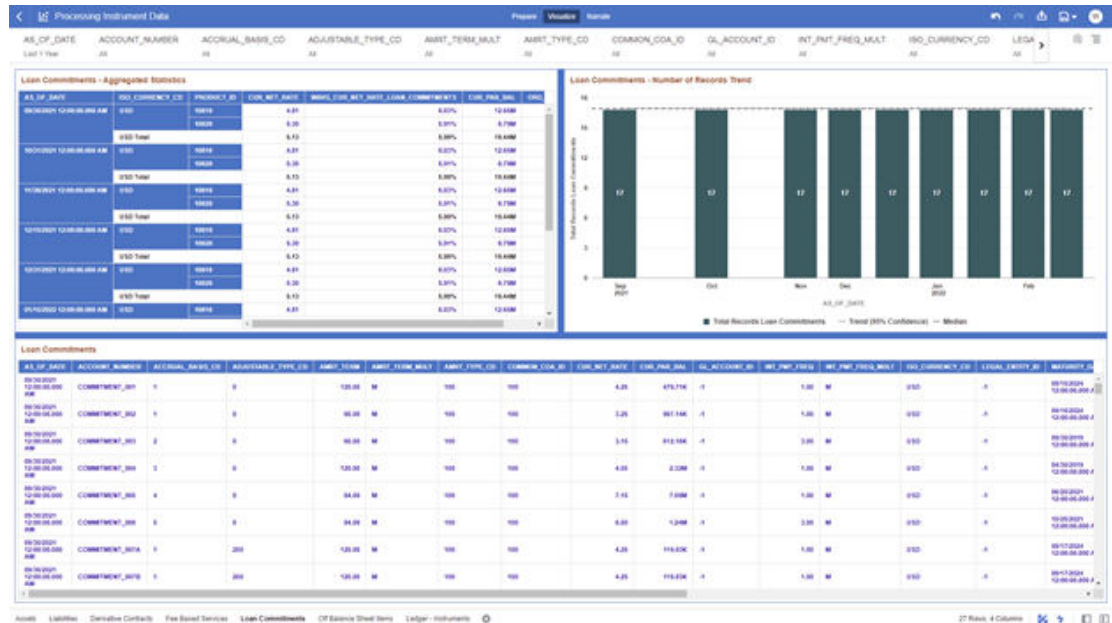
The report displays the underlying data according to the following Charts' logic:

- 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 5-22 Processing Instrument Data – Loan Commitments



5.4.6 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.

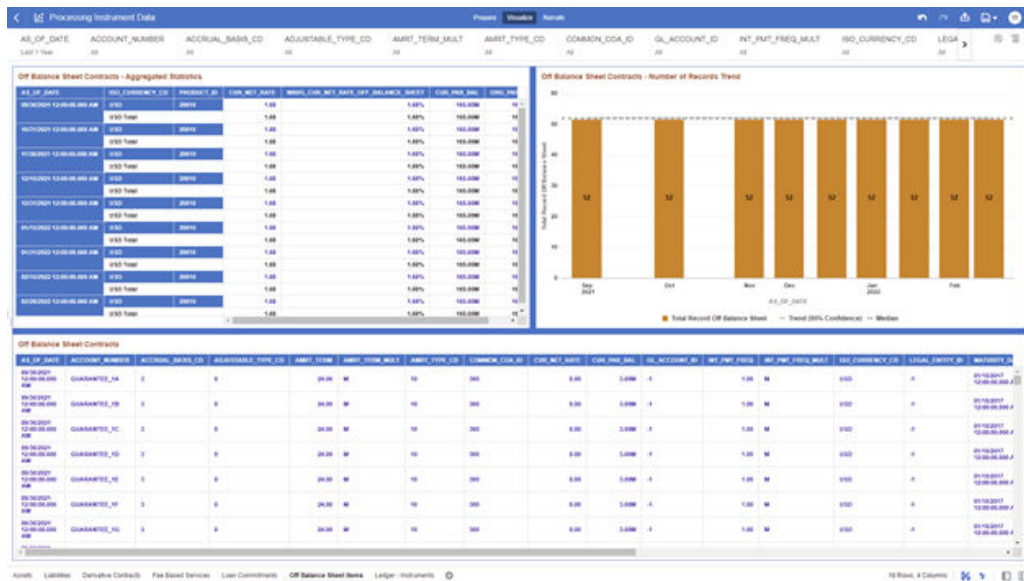
The report displays the underlying data according to the following Charts' logic:

- Off Balance Sheet Contracts - Aggregated Statistics
Aggregation for CUR_PAR_BAL (sum), ORIG_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 5-23 Processing Instrument Data – Off Balance Sheet Items



5.4.7 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.

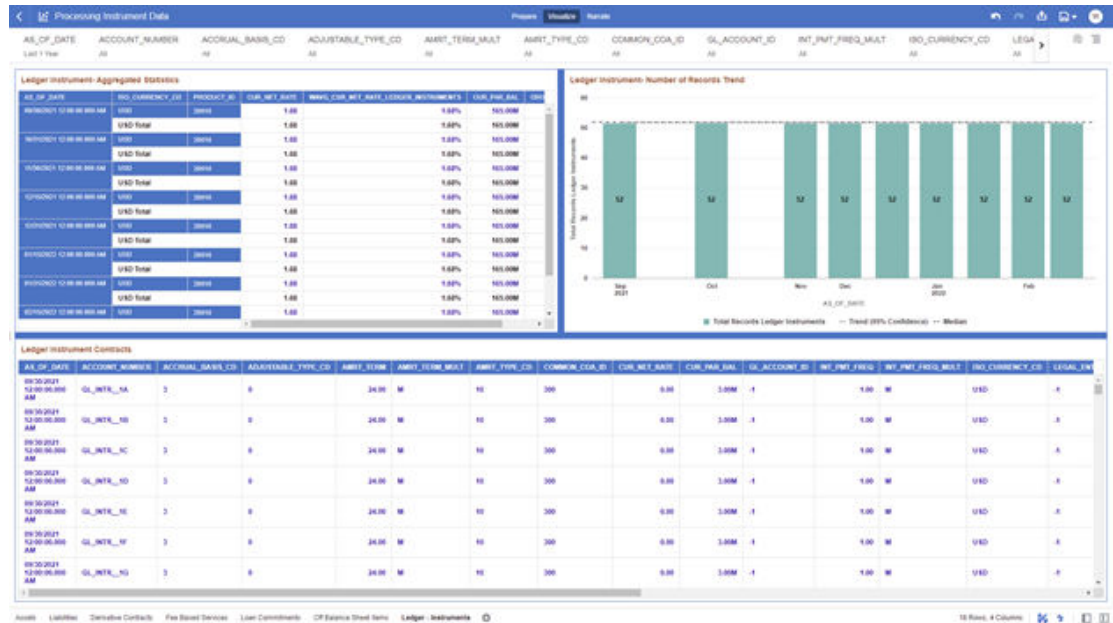
The report displays the underlying data according to the following Charts' logic:

- **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 5-24 Processing Instrument Data – Ledger Instruments



5.5 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 6: Processing Instrument Supplementary Data

Table 5-6 Processing Instrument Supplementary Data

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_HISTORY	Account Index History	Account Index History
			FSI_D_ACCOUNT_TIER	Account Rate Tiers	Account Rate Tiers
			FSI_D_ACCOUNT_RATE_TIE	Embedded Options	Embedded Options
			FSI_D_ACCOUNT_SCHEDULE	Schedule	Schedule
			FSI_D_ACCOUNT_PAYMENT_SCHEDULE	Payment Schedule	Payment Schedule
			FSI_D_ACCOUNT_PAYMENT_SCHEDULE	Payment Schedule	Payment Schedule
			FSI_D_ACCOUNT_PAYMENT_SCHEDULE	Payment Schedule	Payment Schedule

5.5.1 Account Index History

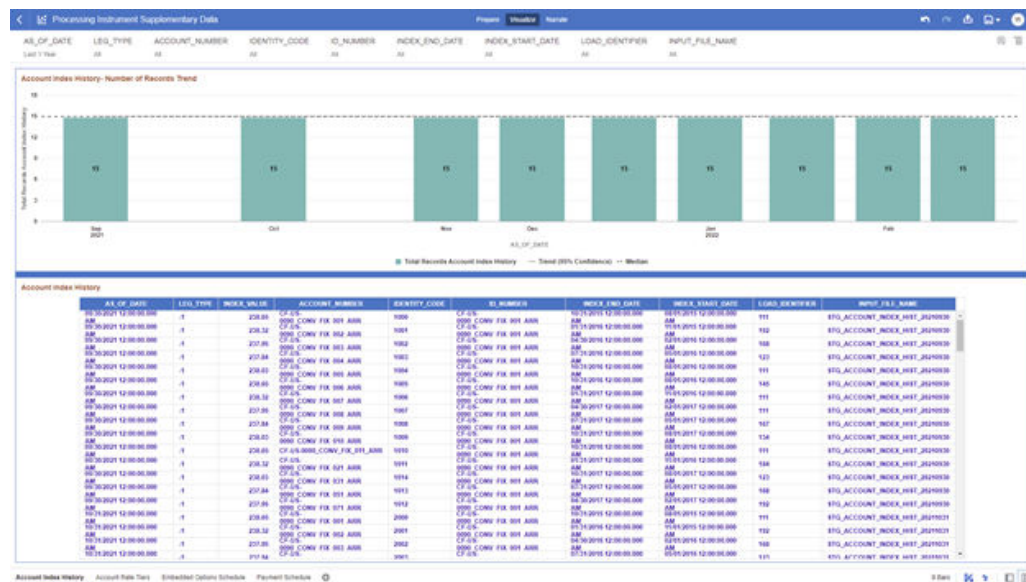
The Account Index History Report provides the analysis capability on the Account Index History Table.

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 5-25 Processing Instrument Supplementary Data – Account Index History



5.5.2 Account Rate Tiers

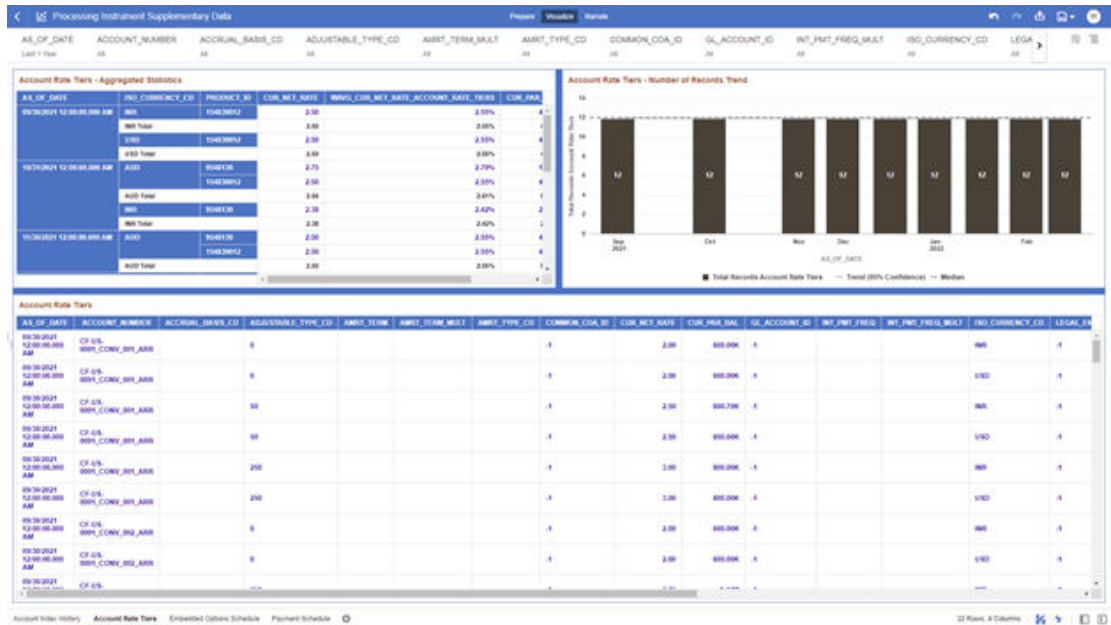
The Account Rate Tiers Report provides the analysis capability on the Account Rate Tiers Table.

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 5-26 Processing Instrument Supplementary Data – Account Rate Tiers



5.5.3 Embedded Options Schedule

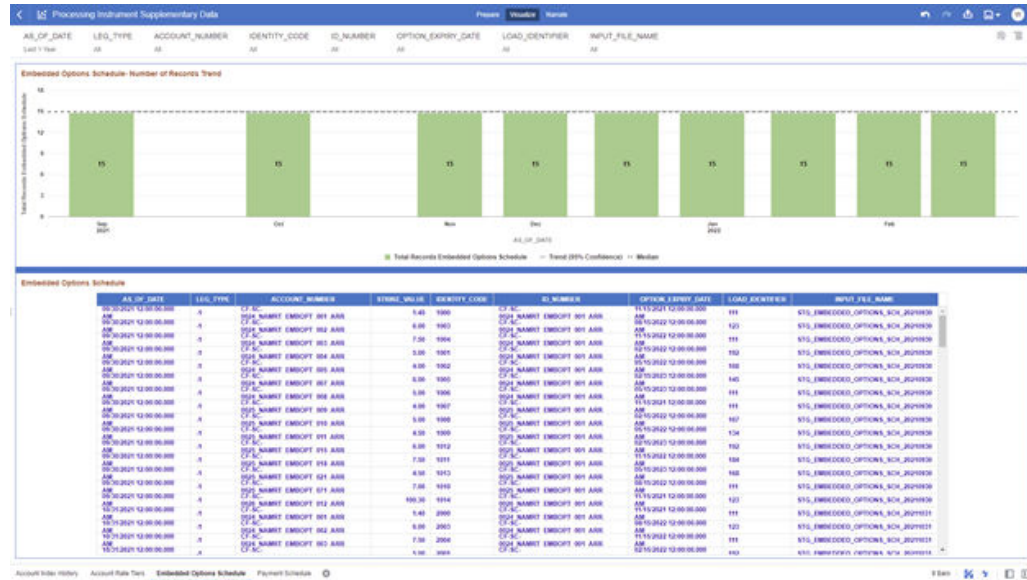
The Embedded Options Schedule Report provides the analysis capability on the Embedded Options Schedule Table.

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 5-27 Processing Instrument Supplementary Data – Embedded Options Schedule



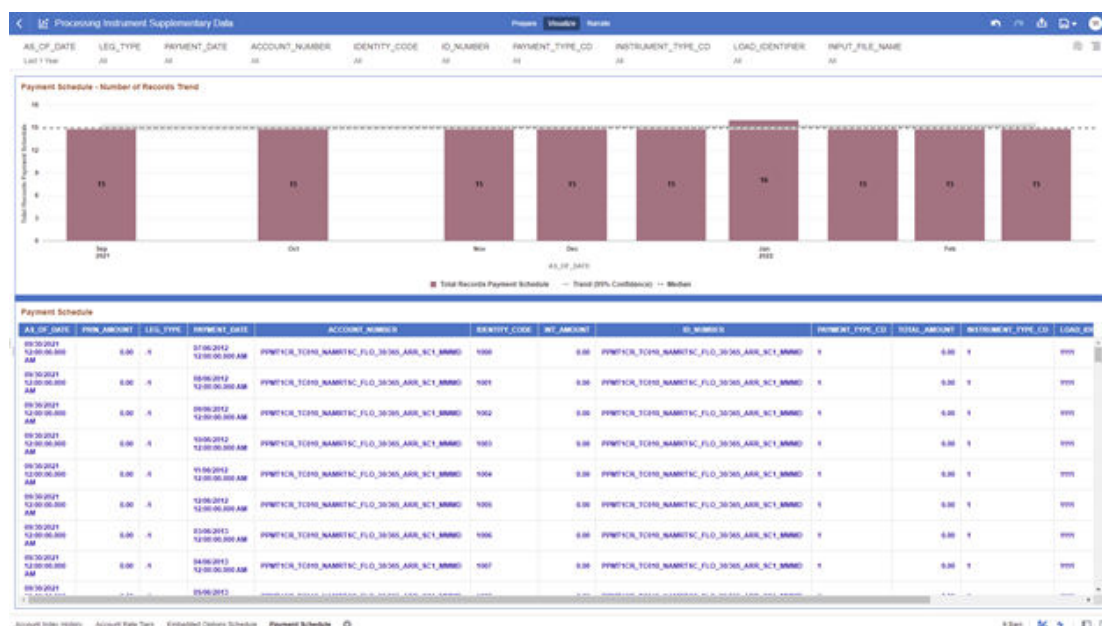
5.5.4 Payment Schedule

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 5-28 Processing Instrument Supplementary Data – Payment Schedule

5.6 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 7: Staging Ledger Data Reports**Table 5-7 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	Management Ledger	Management Ledger
			FSI_D_MANAGEMENT_LEDGER_01	Placeholder	Management Ledger 01
			FSI_D_MANAGEMENT_LEDGER_02	Placeholder	Management Ledger 02
			FSI_D_MANAGEMENT_LEDGER_03	Placeholder	Management Ledger 03
			FSI_D_MANAGEMENT_LEDGER_04	Placeholder	Management Ledger 04
			FSI_D_MANAGEMENT_LEDGER_05	Placeholder	Management Ledger 05

5.6.1 Management Ledger

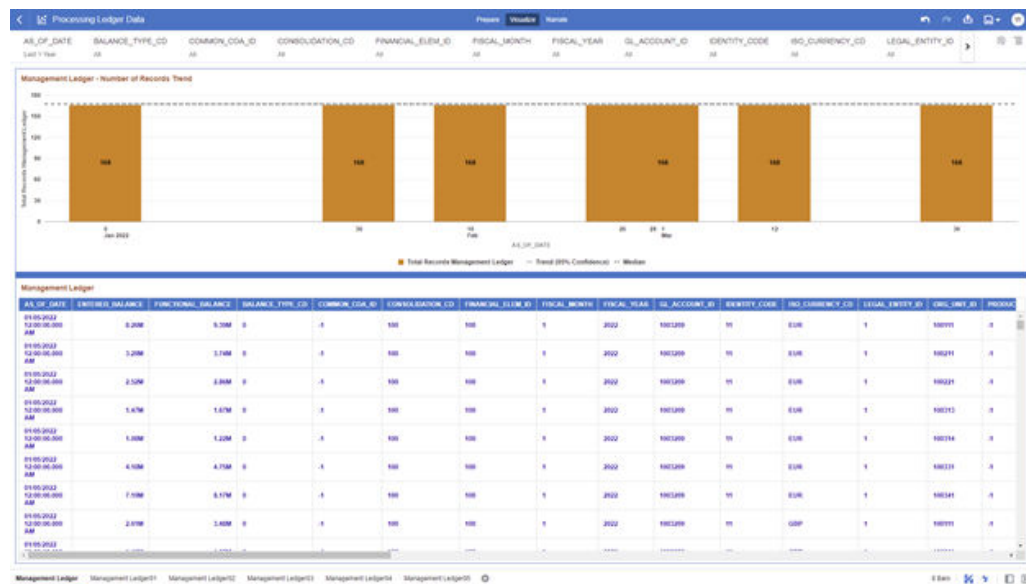
The Management Ledger Report provides the analysis capability on the Management Ledger Table.

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 5-29 Processing Ledger Data – Management Ledger



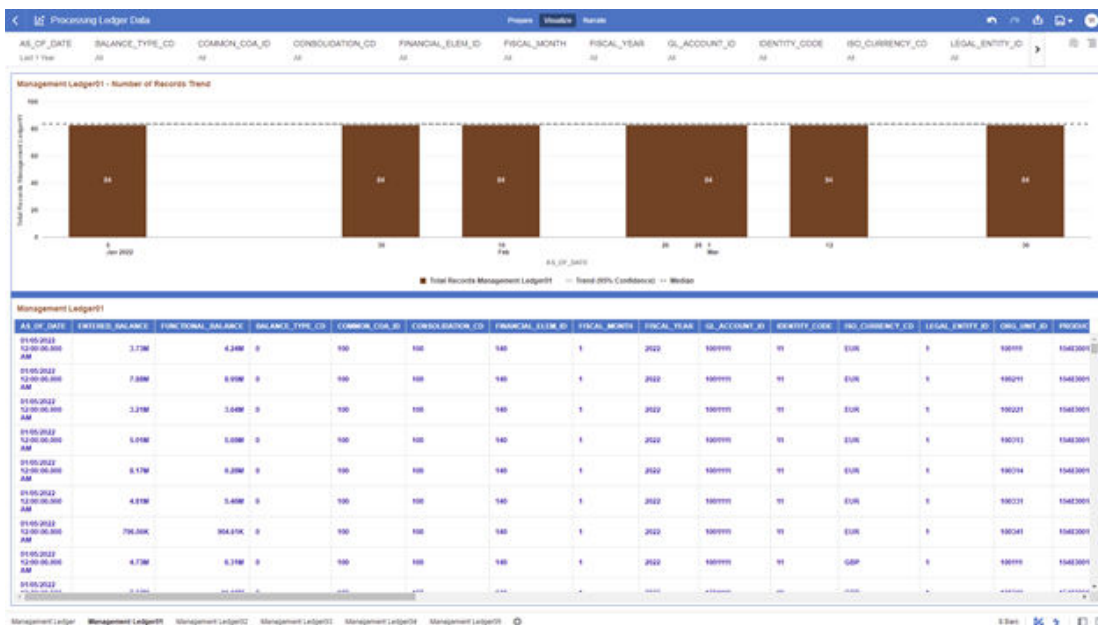
5.6.2 Management Ledger01

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 5-30 Processing Ledger Data – Management Ledger01

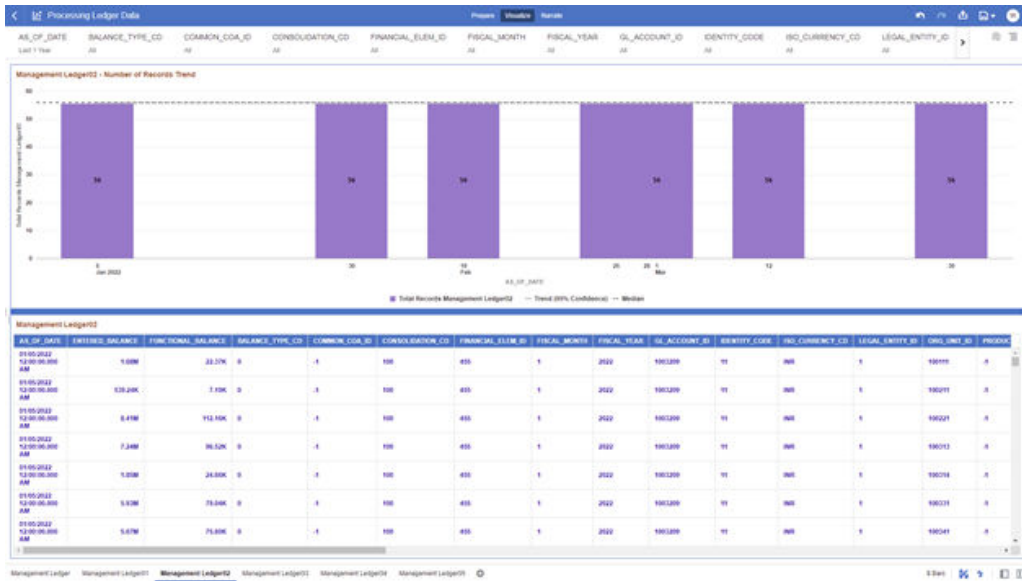
5.6.3 Management Ledger02

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 5-31 Processing Ledger Data – Management Ledger02

5.6.4 Management Ledger03

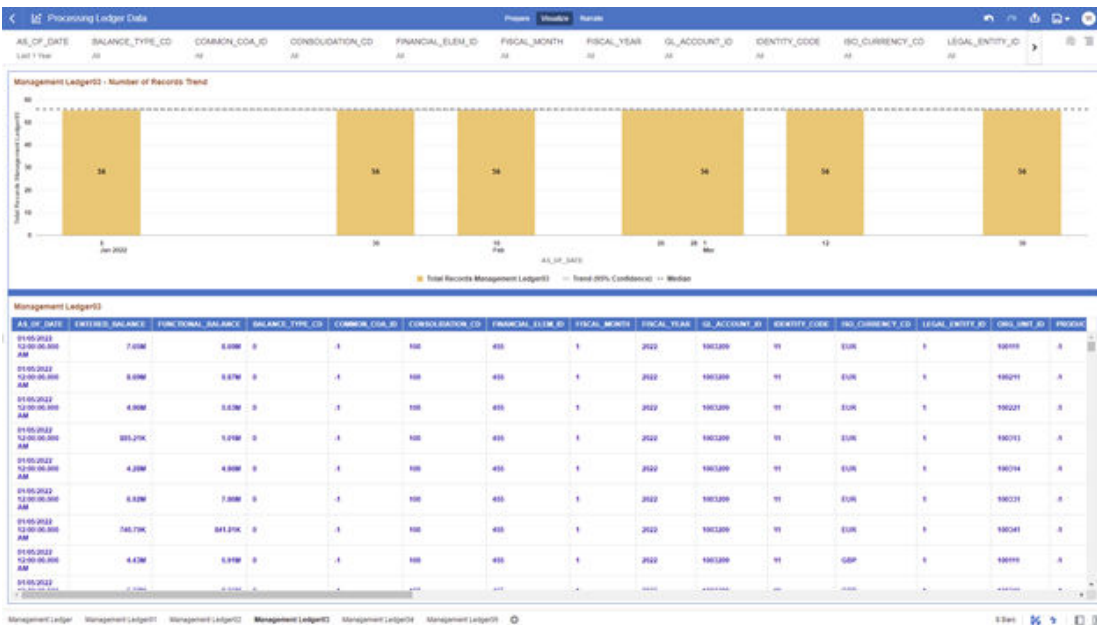
The Management Ledger03 Report provides the analysis capability on the Placeholder Management Ledger 03 Table.

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 5-32 Processing Ledger Data – Management Ledger03



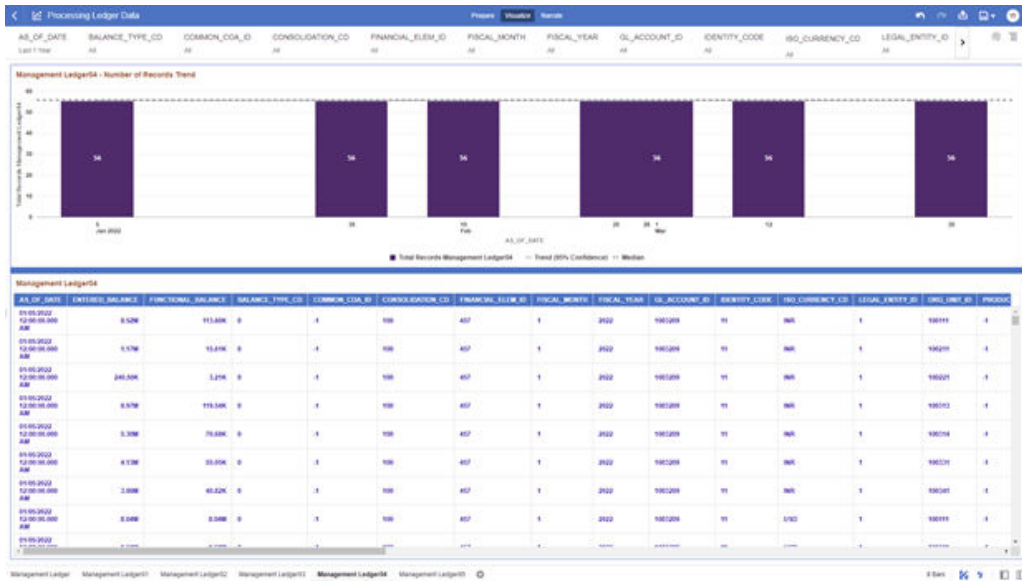
5.6.5 Management Ledger04

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 5-33 Processing Ledger Data – Management Ledger04

5.6.6 Management Ledger05

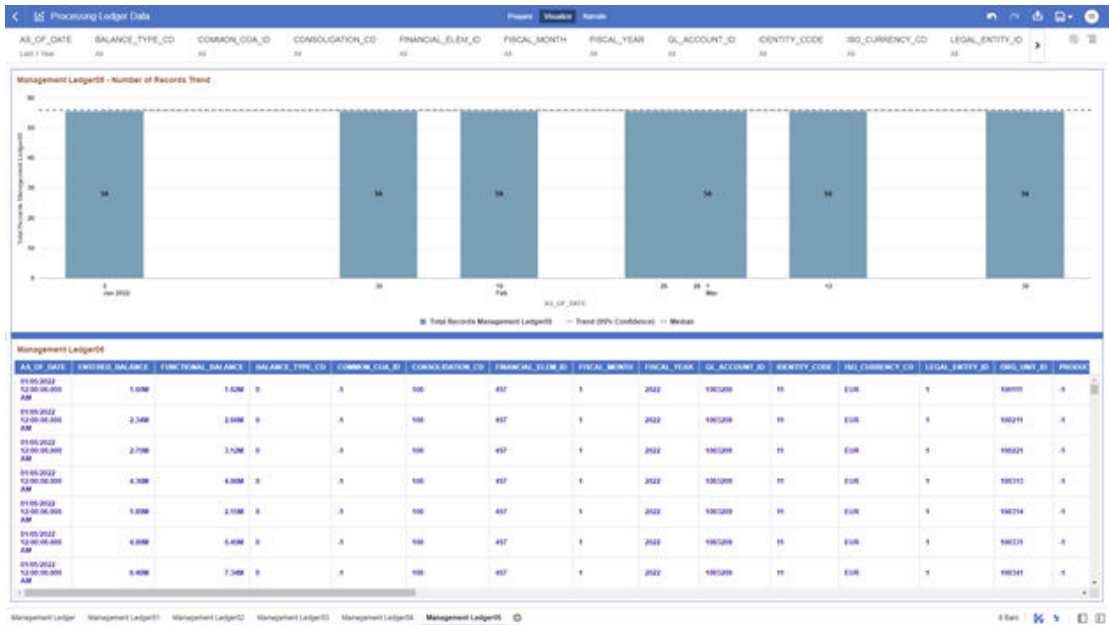
The Management Ledger05 Report provides the analysis capability on the Placeholder Management Ledger 05 Table.

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 5-34 Processing Ledger Data – Management Ledger05



6

Data Insights

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

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

- [Pre-Process Data Analysis](#)
- [Cash Flow Edits](#)

6.1 Pre-Process Data Analysis

You can use the Pre-Process Data Analysis Report to monitor trend on your Instrument Table Data Dimensions and Metrics required for Transfer Price your Balance Sheet with Base Rate and multiple Add-On Rates.

The Pre-Process Data Analysis is arranged as a set of reports catering to analysis of the following categories:

- Number Accounts Outliers
- Cur Par Bar Outliers
- Trends
- Detailed Acct Level Info

6.1.1 Common Filters

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

Figure 6-1 Canvas Prompt Filters for Time Dimension

⚡ As Of Date	⚡ As of Date (Year)	⚡ As of Date (Quarter)	⚡ As of Date (Month)	⚡ As of Date (Day)
Last 2 Quarters	All	All	All	All

- **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 6-2 As-of-Date Selection

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

Figure 6-3 Canvas Prompt Filters for Key Attributes

⚙ Currency Code
⚙ Consolidation Code Name
⚙ Instrument Table Name
⚙ Input File Name
⚙ Branch Leaf Name
⚙ Geography Leaf Name
⚙ Industry Leaf Name
⚙ Customer Type Name
⚙ Account Officer Name

- **Currency Code:** You can use this filter to select a specific Currency Code for the underlying Instrument Tables Accounts.
- **Consolidation Code Name:** You can use this filter to select a specific Consolidation type as it identifies the values for Actual, Budget, Forecast, and Forecast Prior.
- **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.
- **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.
- **Customer Type Name:** You can use this filter to select the Customer Type for the underlying Instrument Tables Accounts.
- **Account Officer Name:** You can use this filter to select the Account Officer or Account Manager for the underlying Instrument Tables Accounts.

Figure 6-4 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 6-5 Canvas Prompt Filters for Common COA Key Processing Dimension



- **Common COA Hierarchy Name:** 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 6-6 Canvas Prompt Filters for GL Account Key Processing Dimension

GL Account Hierarchy Name All GL Account Level 1 Name All GL Account Level 2 Name All GL Account Level 3 Name All GL Account Leaf Name All

- **GL Account Hierarchy Name:** 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 6-7 Canvas Prompt Filters for Org Unit Key Processing Dimension

ORG Hierarchy Name All ORG Level 1 Name All ORG Level 2 Name All ORG Level 3 Name All Org Unit Leaf Name All

- **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 6-8 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.

6.1.2 Report Data Action

The Data Actions provide the capability to perform both drill-down analysis across the downstream report canvases as well as drill-through navigation to the [Process Results Data Analysis](#) report. The drill-down and the drill-through are enabled using 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.

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:

- **Analyze Trends** – the Data Action will be drilling through the “Analyze Trends” canvas.
- **Analyze Account Details** – the Data Action will be drilling through the “Analyze Account Details” canvas.

From the “Detailed Acct Level Info” report canvas, you can select a combination of values in the available chart, and then perform the navigation to the [Process Results Data Analysis](#) report.

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:

- **Analyze FTP Process Results** – the Data Action will be drilling through the “Process Results Data Analysis” report.

The following screenshots show the Data Actions list as well as the navigation options that appears once you right-click on the desired selection (for both drill-down and drill-through Data Actions).

Figure 6-9 Data Action Configuration

The screenshot shows the 'Data Actions' configuration window. It has a title bar 'Data Actions' and a close button. Below the title bar is a section 'Actions' with a search bar containing 'Navigate to Message Log' and a plus icon. The configuration fields are: Name: 'Navigate to Message Log', Type: 'Analytics Link' (dropdown), Anchor To: 'Selected Data' (with a plus icon), Target: 'This Project', Canvas Link: 'Message Log' (dropdown), Pass Values: 'All' (dropdown), and Supports Multiple Selection: 'On'. At the bottom are 'Cancel' and 'OK' buttons.

Figure 6-10 Data Action for Drill-down with Report Canvases

The screenshot shows a report canvas titled 'Number of Accounts trends by Currency'. It displays a table with columns: Currency Code, As Of Date, Outlier, and Number of Accounts. The table has data for EUR and USD across different dates. A right-click context menu is open over the table, with options: Keep Selected, Remove Selected, Sort By, Drill to Attribute/Hierarchy..., Analyze Trends (highlighted with a red box), Analyze Account Details (highlighted with a red box), Use as Filter (checked), Add Statistics, Color, Shape, Edit, Hide Value Labels, Show Subtotal, and Delete Visualization.

Currency Code	As Of Date	Outlier	Number of Accounts
EUR	01/31/2022	Non-Outlier	2,256
	02/28/2022	Non-Outlier	2,244
	03/31/2022	Outlier	2,310
USD	01/31/2022	Non-Outlier	2,286
	02/28/2022	Non-Outlier	2,220
	03/31/2022	Outlier	2,202

Figure 6-11 Data Action for Drill-through to another Report

The screenshot shows the Oracle Pre-Process Data Analysis application. At the top, there's a navigation bar with tabs for 'Pre-Process Data Analysis', 'Prepare', 'Visualize', and 'Monitor'. Below this, a filter bar allows selecting various dimensions like 'As Of Date', 'As of Date (Year)', etc. The main area displays a table titled 'Detailed Acct Level Info'. The table has columns for 'As Of Date', 'Legal Entity Leaf Name', 'Org Unit Leaf Name', 'Industry Leaf Name', 'Currency Code', 'GL Account Leaf Name', 'Prod Leaf Name', 'Origination Date', 'Customer Type Name', 'Id Number', 'Identity Code', 'Account Number', 'Customer Identifier', 'Cur Par Balance', 'Current Net Rate', 'Remaining Term in Month', 'All to Transfer Price Rate', and 'FTP Margin Rate'. A context menu is open over the row with 'As Of Date' 01/01/2022, 'Legal Entity Leaf Name' CITY 1 BRANCH, 'Org Unit Leaf Name' CITY 1 BRANCH, 'Industry Leaf Name' Automobile, 'Currency Code' USD, 'GL Account Leaf Name' CAPITAL, 'Prod Leaf Name' FX Interbank Spot_Sold, 'Origination Date' 01/05/2021, 'Customer Type Name' Banks, 'Id Number' USD_TD_01882, 'Identity Code' 20220131, 'Account Number' USD_TD_01882, 'Customer Identifier' 777705632, 'Cur Par Balance' 17.51K, 'Current Net Rate' 2.35%, 'Remaining Term in Month' 12.00, 'All to Transfer Price Rate' 4.53%, and 'FTP Margin Rate' 8.88%. The menu options include 'Keep Selected', 'Remove Selected', 'Sort By', 'Drill to Attribute Hierarchy...', 'Analyze Trends', 'Analyze Account Details', 'Analyze FTP Process Results' (highlighted with a red box), 'Use as Filter', 'Add Statistics', 'Color', 'Shape', 'Edit', 'Show Subtotal', and 'Delete Visualization'.

As Of Date	Legal Entity Leaf Name	Org Unit Leaf Name	Industry Leaf Name	Currency Code	GL Account Leaf Name	Prod Leaf Name	Origination Date	Customer Type Name	Id Number	Identity Code	Account Number	Customer Identifier	Cur Par Balance	Current Net Rate	Remaining Term in Month	All to Transfer Price Rate	FTP Margin Rate
01/01/2022	Bank Holding Company	CITY 1 BRANCH	Automobile	USD	CAPITAL	FX Interbank Spot_Sold	01/05/2021	Banks	USD_TD_01882	20220131	USD_TD_01882	777705632	17.51K	2.35%	12.00	4.53%	8.88%
01/01/2022	Bank Holding Company	CITY 1 BRANCH	Automobile	USD	CAPITAL	FX Interbank Spot_Sold	01/05/2021	Banks	USD_TD_01882	2022013120	USD_TD_01882	777705632	17.51K	2.35%	12.00	4.53%	8.88%
01/01/2022	Bank Holding Company	CITY 1 BRANCH	Automobile	USD	CAPITAL	FX Interbank Spot_Sold	01/05/2021	Banks	USD_TD_01882	2022013130	11801 TTD 01882	777705632	17.51K	2.35%	12.00	4.53%	8.88%
01/01/2022	Bank Holding Company	CITY 1 BRANCH	Automobile	USD	CAPITAL	FX Interbank Spot_Sold	01/27/2021	Banks	USD_CASA_01480	20220131		709360	17.25K	9.50%	1.15	6.85%	8.88%
01/01/2022	Bank Holding Company	CITY 1 BRANCH	Automobile	USD	CAPITAL	FX Interbank Spot_Sold	01/27/2021	Banks	USD_CASA_01480	2022013120		709360	17.25K	9.50%	1.15	6.85%	8.88%
01/01/2022	Bank Holding Company	CITY 1 BRANCH	Automobile	USD	CAPITAL	FX Interbank Spot_Sold	01/27/2021	Banks	USD_CASA_01480	2022013130		709360	17.25K	9.50%	1.15	6.85%	8.88%
01/01/2022	Bank Holding Company	CITY 1 BRANCH	Automobile	USD	CAPITAL	FX Interbank Spot_Sold	02/10/2021	Corporate - Medium	USD_CASA_01882	20220131		709362	18.44K	5.98%	5.00	3.85%	9.28%
01/01/2022	Bank Holding Company	CITY 1 BRANCH	Automobile	USD	CAPITAL	FX Interbank Spot_Sold	02/10/2021	Corporate - Medium	USD_CASA_01882	2022013120		709362	18.44K	5.98%	5.00	3.85%	9.28%
01/01/2022	Bank Holding Company	CITY 1 BRANCH	Automobile	USD	CAPITAL	FX Interbank Spot_Sold	02/10/2021	Corporate - Medium	USD_CASA_01882	2022013130		709362	18.44K	5.98%	5.00	3.85%	9.28%
01/01/2022	Bank Holding Company	CITY 1 BRANCH	Automobile	USD	CAPITAL	FX Interbank Spot_Sold	02/14/2021	Banks	USD_LOAN_01912	20220131		705662	16.23K	4.17%	9.00	3.85%	6.09%
01/01/2022	Bank Holding Company	CITY 1 BRANCH	Automobile	USD	CAPITAL	FX Interbank Spot_Sold	02/14/2021	Banks	USD_LOAN_01912	2022013120		705662	16.23K	4.17%	9.00	3.85%	6.09%
04/01/2022	Bank Holding Company	CITY 1 BRANCH	Automobile	USD	CAPITAL	FX Interbank Spot_Sold	02/14/2021	Banks	USD_LOAN_01912	2022013130	11801 TTD 01912	777705632	16.23K	4.17%	9.00	3.85%	6.09%

6.1.3 Number Accounts Outliers

This canvas allows you to look at the Number of Accounts outliers that are calculated using the Standard Deviation capability available off the shelf with Oracle Analytics.

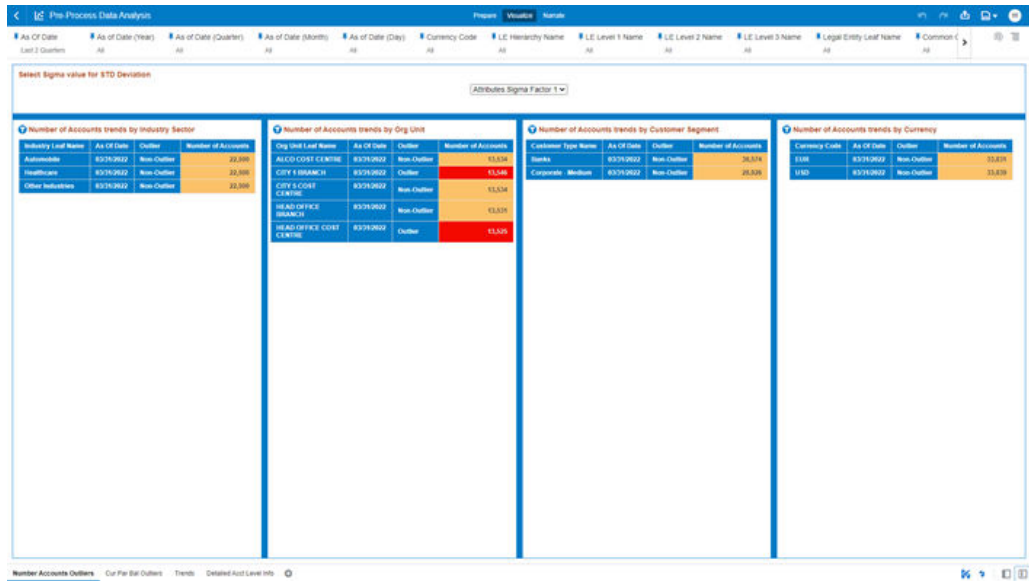
The Number of Accounts pertaining to the Instrument level data is segregated between “Outlier” and “Non-Outlier” in the report column “Outlier”.

“Outlier” in this case refers to the Number of Accounts, for a particular subset related to a combination of Dimensional Values that lie outside the confidence interval of the deviation that we are adopting in our technique.

“Non-Outlier” would refer to the Number of Accounts, for a particular subset related to a combination of Dimensional Values that lie inside the confidence interval of the deviation.

The Outliers are calculated on the Number of Accounts aggregated by the respective combination of Dimensional Values, such as Industry, Org Unit, Customer Segment, and Currency against the As-of-Date available.

Figure 6-12 “Number Accounts Outliers” Report Canvas



The Number of Accounts can be identified as an Outlier or a Non-Outlier based on the standard deviation confidence interval that we adopt.

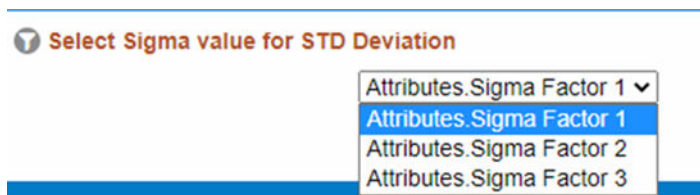
This confidence interval is parametrized with the list of the Sigma values available in the report that is “Attributes.Sigma Factor 1”, “Attributes.Sigma Factor 2” and “Attributes.Sigma Factor 3”.

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 6-13 Sigma Factor selection for STD Deviation



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

The report displays the underlying Instrument account 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”.
- **Number of Accounts trends by Industry Sector:** This chart deduces if the Number of Accounts related to the different Industry Sectors is an “Outlier” or “Non-Outlier” for a combination of As-of-Date and Industry Leaf Name.
The columns displayed in the chart are as follows:
 - Industry Leaf Name
 - As Of Date
 - Outlier
 - Number of Accounts
- **Number of Accounts trends by Org Unit:** This chart deduces if the Number of Accounts related to the different Org Units is an “Outlier” or “Non-Outlier” for a combination of As-of-Date and Org Unit Leaf Name.
The columns displayed in the chart are as follows:
 - Org unit Leaf Name
 - As Of Date
 - Outlier
 - Number of Accounts
- **Number of Accounts trends by Customer Segment:** This chart deduces if the Number of Accounts related to the different Customer Segments is an “Outlier” or “Non-Outlier” for a combination of As-of-Date and Customer Type Name.
The columns displayed in the chart are as follows:
 - Customer Type Name
 - As Of Date
 - Outlier
 - Number of Accounts
- **Number of Accounts trends by Currency:** This chart deduces if the Number of Accounts related to the different Currencies is an “Outlier” or “Non-Outlier” for a combination of As-of-Date and Currency Code.
The columns displayed in the chart are as follows:
 - Currency Code
 - As Of Date
 - Outlier
 - Number of Accounts

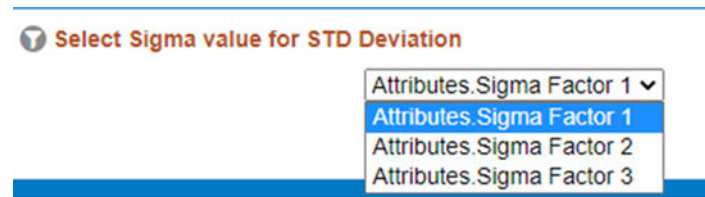
6.1.3.1 Use Case Flow for “Number Accounts Outliers” Analysis

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

Starting from the canvas “Number Accounts Outliers” you can perform a series of actions as follows.

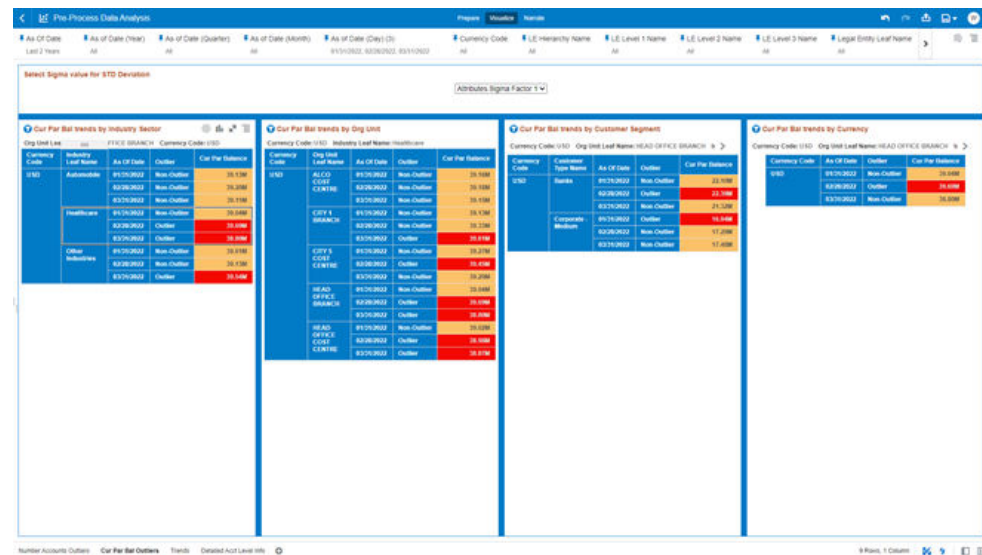
1. Select your desired Sigma value on which the Outlier analysis will be generated.

Figure 6-14 Sigma Factor Selection for STD Deviation



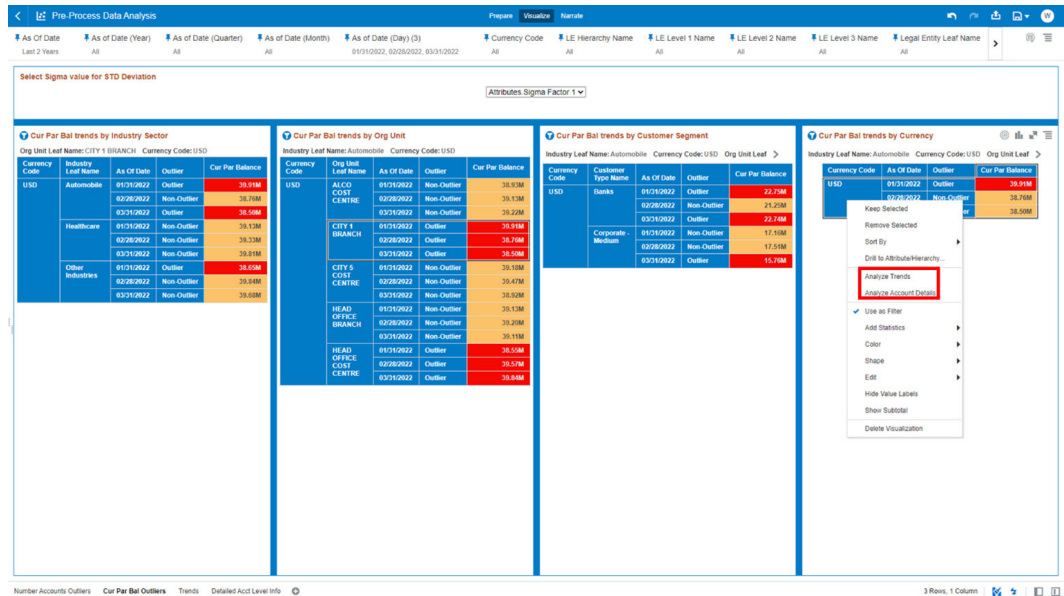
2. Select the Outliers for any of the available Dimensions.

Figure 6-15 Outliers Selection



3. Once you have selected a combination of Outliers and related Dimensions, you can use the Data Actions to navigate to the other Report canvases or to the [Process Results Data Analysis](#) report.

Figure 6-16 Data Actions Navigation



6.1.4 Cur Par Bal Outliers

This canvas allows you to look at the Current Par Balance Outliers that are calculated using the Standard Deviation capability available off the shelf with Oracle Analytics.

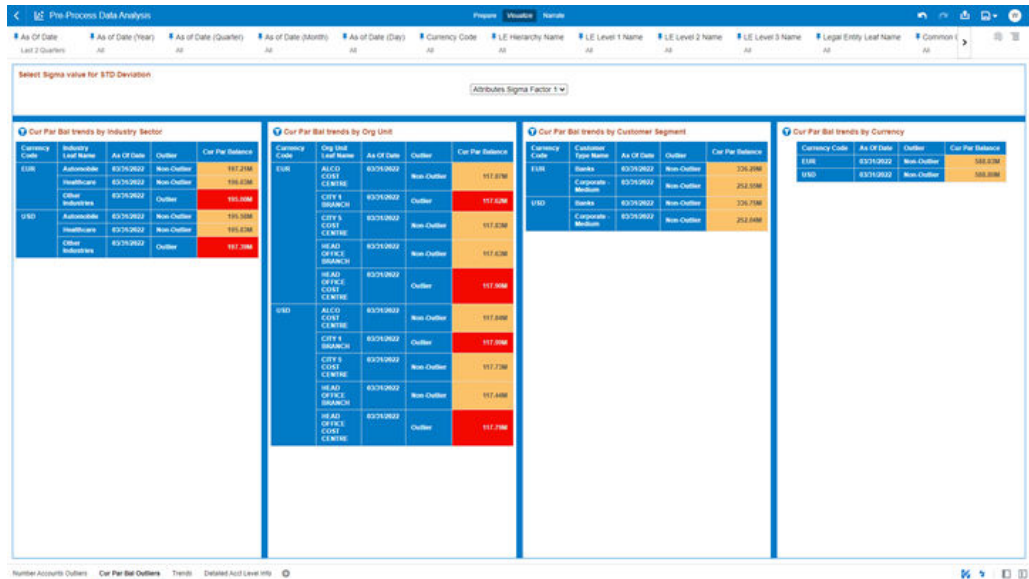
The Current Par Balance pertaining to the Instrument level data is segregated between “Outlier” and “Non-Outlier” in the report column “Outlier”.

“Outlier” in this case refers to the Current Par Balance, for a particular subset related to a combination of Dimensional Values that lie outside the confidence interval of the deviation that we are adopting in our technique.

“Non-Outlier” would refer to the Current Par Balance, for a particular subset related to a combination of Dimensional Values that lie inside the confidence interval of the deviation.

The Outliers are calculated on the Current Par Balance aggregated by the respective combination of Dimensional Values, such as Industry, Org Unit, Customer Segment, and Currency against the As-of-Date available.

Figure 6-17 “Cur Par Bal Outliers” Report Canvas



The Current Par Balance can be identified as an Outlier or a Non-Outlier based on the standard deviation confidence interval that we adopt.

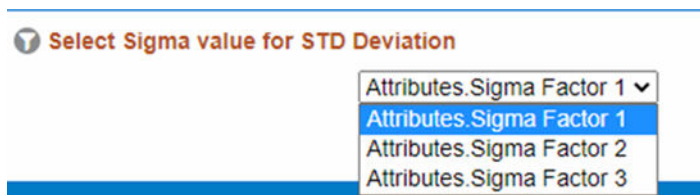
This confidence interval is parametrized with the list of the Sigma values available in the report that is “Attributes.Sigma Factor 1”, “Attributes.Sigma Factor 2”, and “Attributes.Sigma Factor 3”.

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 6-18 Sigma Factor Selection for STD Deviation



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

The report displays the underlying Instrument account 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".
- **Cur Par Bal trends by Industry Sector:** This chart deduces if the Current Par Balance related to the different Industry Sectors is an "Outlier" or "Non-Outlier" for a combination of As-of-Date, Currency (transaction currency), and Industry Leaf Name.
The columns displayed in the chart are as follows:
 - Currency Code
 - Industry Leaf Name
 - As Of Date
 - Outlier
 - Cur Par Balance
- **Number of Accounts trends by Org Unit:** This chart deduces if the Current Par Balance related to the different Org Units is an "Outlier" or "Non-Outlier" for a combination of As-of-Date, Currency (transaction currency), and Org Unit Leaf Name.
The columns displayed in the chart are as follows:
 - Currency Code
 - Org unit Leaf Name
 - As Of Date
 - Outlier
 - Cur Par Balance
- **Number of Accounts trends by Customer Segment:** This chart deduces if the Current Par Balance related to the different Customer Segments is an "Outlier" or "Non-Outlier" for a combination of As-of-Date, Currency (transaction currency), and Customer Type Name.
The columns displayed in the chart are as follows:
 - Currency Code
 - Customer Type Name
 - As Of Date
 - Outlier
 - Cur Par Balance
- **Number of Accounts trends by Currency:** This chart deduces if the Current Par Balance related to the different Currencies is an "Outlier" or "Non-Outlier" for a combination of As-of-Date and Currency Code.
The columns displayed in the chart are as follows:
 - Currency Code
 - As Of Date
 - Outlier
 - Cur Par Balance

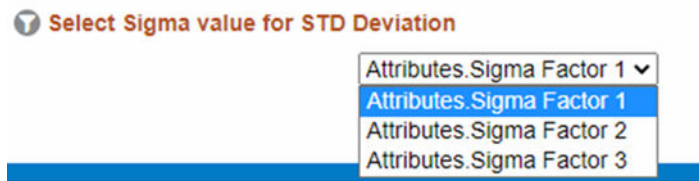
6.1.4.1 Use Case flow for “Cur Par Bal Outliers” Analysis

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

Starting from the canvas “Cur Par Bal Outliers” you can perform a series of actions as follows:

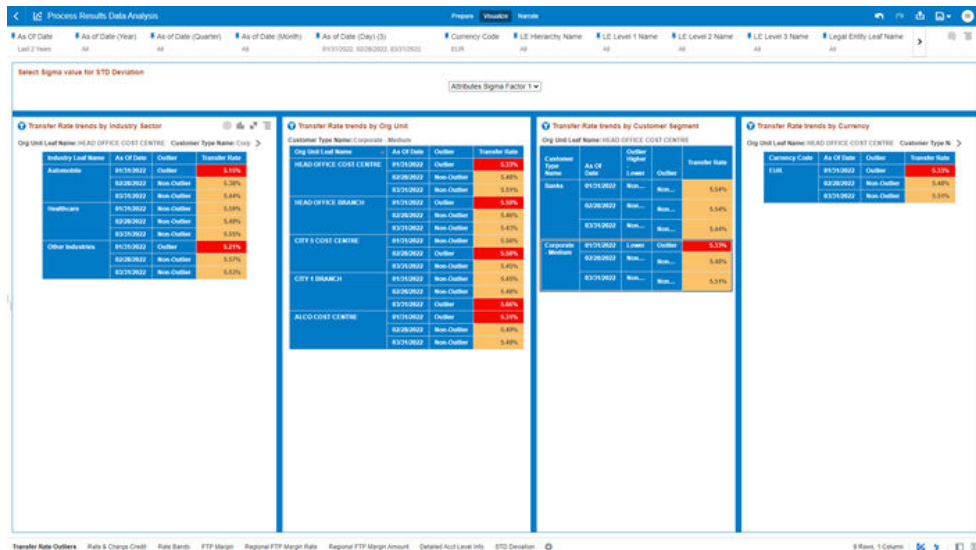
1. Select your desired Sigma value on which the outlier analysis will be generated.

Figure 6-19 Sigma Factor selection for STD Deviation



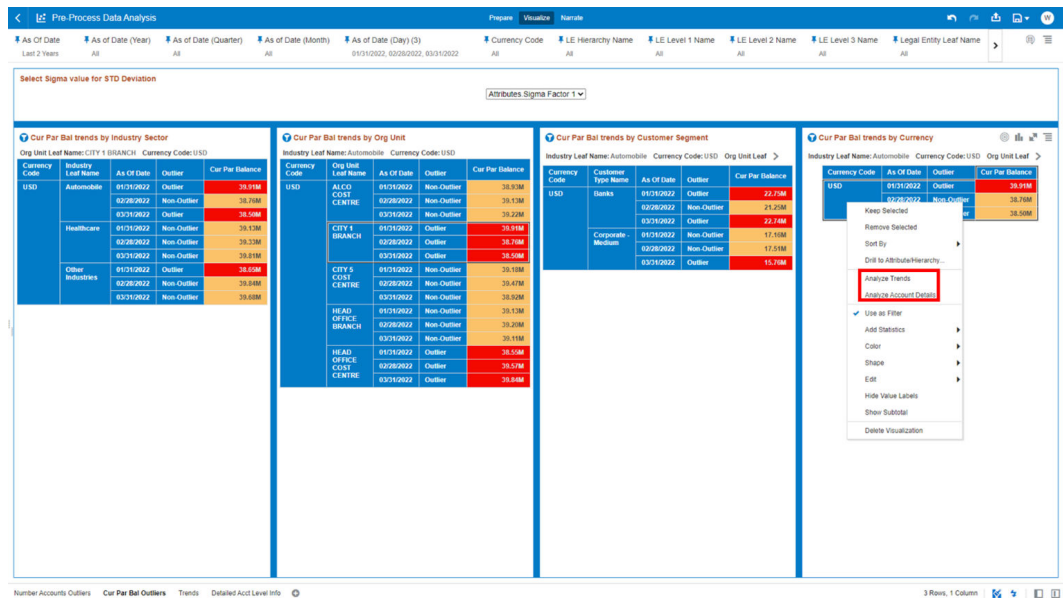
2. Select the Outliers for any of the available Dimensions.

Figure 6-20 Outliers Selection



3. Once you have selected a combination of Outliers and related dimensions, you can use the Data Actions to navigate to the other Report canvases or to the [Process Results Data Analysis](#) report.

Figure 6-21 Data Actions Navigation



6.1.5 Trends

The "Trends" Report describes the trend of the following measurements, Number of Accounts, Cur Bar Balance, Current Net Rate, Remaining Term in Month, All in Transfer Price Rate, and FTP Margin Rate with respect to As-of-Date.

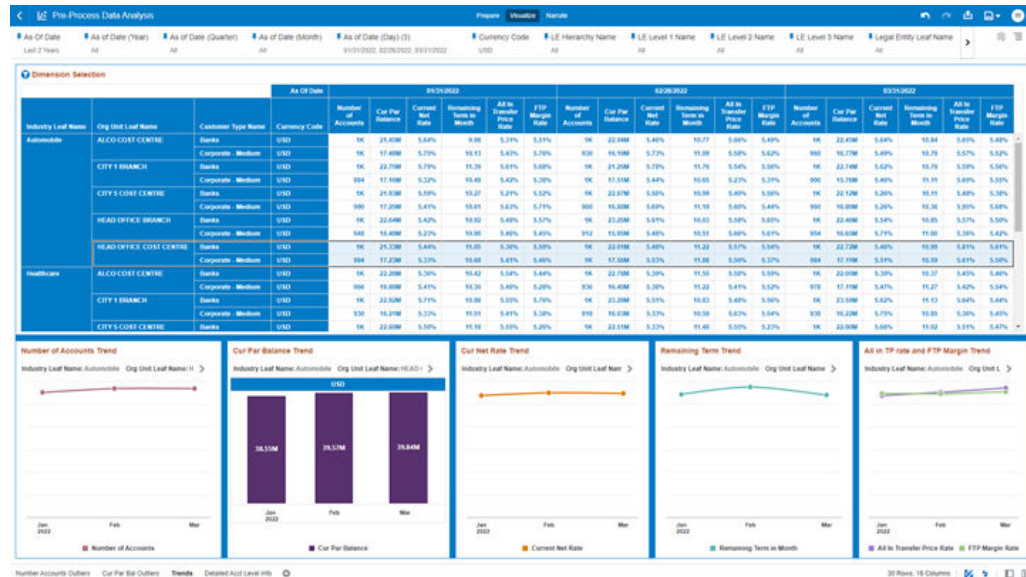
You can use a series of Report Prompts, as previously described, to filter the data according to key attributes pertaining to the underlying Instrument level data.

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

- Dimension Selection:** The chart provides you with a selection capability of the desired dimension of analysis, as listed down below, with respect to As-of-Date and the above-mentioned measurements.
 The columns displayed in the chart are as follows:
 - Industry Leaf Name
 - Org Unit Leaf Name
 - Customer Type Name
 - Currency Code
 - As of Date
 - Number of Accounts
 - Cur Bar Balance
 - Current Net Rate
 - Remaining Term in Month
 - All in Transfer Price Rate
 - FTP Margin Rate
- Number of Accounts Trend:** The chart reports the trend analysis of the Number of Accounts with respect to As-of-Date.

- **Cur Par Balance Trend:** The chart reports the trend analysis of the Current Par Balance with respect to As-of-Date.
- **Cur Net Rate Trend:** The chart reports the trend analysis of the Current Net Rate with respect to As-of-Date.
- **All in TP rate and FTP Margin Trend:** The chart reports the trend analysis of both the All in TP Rate and the FTP Margin with respect to As-of-Date.

Figure 6-22 “Trends” Report



6.1.6 Detail Acct Level Info

The “Detailed Acct Level Info” 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", "Legal Entity Leaf Name", "Org Unit Leaf Name", "Industry Leaf Name", "Currency Code", "GL Account Leaf Name", "Prod Leaf Name", "Origination Date", "Customer Type Name", "Id Number", "Identity Code", "Account Number", "Customer Identifier", "Cur Par Balance", "Current Net Rate", "Remaining Term in Month", "All In Transfer Price Rate" and "FTP Margin Rate".

Figure 6-23 “Detailed Acct Level Info” Report

As of Date	Legal Entity	Org Unit	Industry	Currency	Account	Product	Originator	Customer	M Number	Monthly Code	Account Number	Customer Number	Car Fee Balance	Current Net Rate	Remaining Term in Month	Adm Transfer Price Rate	FIP Margin Rate
03/31/2022	Bank Holding Company	ALCO C0157 C0157	Automobile	EUR	CAPITAL	FX Interbank Spot, Sold	01/29/2021	Corporate Medium	EUR_10_01007	20220311	EUR_10_01007	777704037	15.91K	3.11%	4.00	2.47%	0.42%
03/31/2022	Bank Holding Company	ALCO C0157 C0157	Automobile	EUR	CAPITAL	FX Interbank Spot, Sold	01/29/2021	Corporate Medium	EUR_10_01007	202203120	EUR_10_01007	777704037	15.91K	3.11%	4.00	2.47%	0.42%
03/31/2022	Bank Holding Company	ALCO C0157 C0157	Automobile	EUR	CAPITAL	FX Interbank Spot, Sold	01/29/2021	Corporate Medium	EUR_10_01007	202203130	EUR_10_01007	777704037	15.91K	3.11%	4.00	2.47%	0.42%
03/31/2022	Bank Holding Company	ALCO C0157 C0157	Automobile	EUR	CAPITAL	FX Interbank Spot, Sold	02/07/2021	Corporate Medium	EUR_M007_00407	20220311	EUR_M007_00407	777707907	17.94K	6.10%	22.00	2.30%	0.81%
03/31/2022	Bank Holding Company	ALCO C0157 C0157	Automobile	EUR	CAPITAL	FX Interbank Spot, Sold	02/07/2021	Corporate Medium	EUR_M007_00407	202203120	EUR_M007_00407	777707907	17.94K	6.10%	22.00	2.30%	0.81%
03/31/2022	Bank Holding Company	ALCO C0157 C0157	Automobile	EUR	CAPITAL	FX Interbank Spot, Sold	02/07/2021	Corporate Medium	EUR_M007_00407	202203130	EUR_M007_00407	777707907	17.94K	6.10%	22.00	2.30%	0.81%
03/31/2022	Bank Holding Company	ALCO C0157 C0157	Automobile	EUR	CAPITAL	FX Interbank Spot, Sold	02/15/2021	Banks	EUR_B000000000_01007	20220311	EUR_B000000000_01007	777701007	17.43K	8.20%	11.00	3.21%	3.83%
03/31/2022	Bank Holding Company	ALCO C0157 C0157	Automobile	EUR	CAPITAL	FX Interbank Spot, Sold	02/15/2021	Banks	EUR_B000000000_01007	202203120	EUR_B000000000_01007	777701007	17.43K	8.20%	11.00	3.21%	3.83%
03/31/2022	Bank Holding Company	ALCO C0157 C0157	Automobile	EUR	CAPITAL	FX Interbank Spot, Sold	02/15/2021	Banks	EUR_B000000000_01007	202203130	EUR_B000000000_01007	777701007	17.43K	8.20%	11.00	3.21%	3.83%
03/31/2022	Bank Holding Company	ALCO C0157 C0157	Automobile	EUR	CAPITAL	FX Interbank Spot, Sold	03/06/2021	Corporate Medium	EUR_CASA_00407	20220311	EUR_CASA_00407	777707907	18.05K	7.00%	12.00	6.80%	9.50%
03/31/2022	Bank Holding Company	ALCO C0157 C0157	Automobile	EUR	CAPITAL	FX Interbank Spot, Sold	03/06/2021	Corporate Medium	EUR_CASA_00407	202203120	EUR_CASA_00407	777707907	18.05K	7.00%	12.00	6.80%	9.50%
03/31/2022	Bank Holding Company	ALCO C0157 C0157	Automobile	EUR	CAPITAL	FX Interbank Spot, Sold	03/06/2021	Corporate Medium	EUR_CASA_00407	202203130	EUR_CASA_00407	777707907	18.05K	7.00%	12.00	6.80%	9.50%
03/31/2022	Bank Holding Company	ALCO C0157 C0157	Automobile	EUR	CAPITAL	FX Interbank Spot, Sold	05/10/2021	Corporate Medium	EUR_1_0000_01007	20220311	EUR_1_0000_01007	777704037	16.39K	6.90%	1.71	3.70%	3.40%
03/31/2022	Bank Holding Company	ALCO C0157 C0157	Automobile	EUR	CAPITAL	FX Interbank Spot, Sold	05/10/2021	Corporate Medium	EUR_1_0000_01007	202203120	EUR_1_0000_01007	777704037	16.39K	6.90%	1.71	3.70%	3.40%
01/31/2013	Bank Holding Company	ALCO C0157 C0157	Automobile	EUR	CAPITAL	FX Interbank Spot, Sold	05/10/2014	Corporate Medium	EUR_1_0000_01007	2013011010	EUR_1_0000_01007	777704037	16.39K	6.90%	1.71	3.70%	3.40%

6.2 Cash Flow Edits

The Cash Flow Edits Process allows you to verify the accuracy and check the completeness of your Instrument Table Data.

The Cash Flow Edits is arranged as a set of reports catering to analysis of the following categories:

- Rules
- Process Stats
- Message Log

6.2.1 Common Filters

This section covers the following types of filters:

- "Rules" Canvas Prompt Filters
- "Process Stats" Canvas Prompt Filters
- "Message Log" Canvas Prompt Filters

6.2.1.1 “Rules” Canvas Prompt Filters

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

Figure 6-24 Canvas Prompt Filters for Key Attributes

Group Name	Subgroup Name	Rule Name	Rule Identifier	Condition Columns
All	All	All	All	All

- **Group Name:** You can use this filter to select a specific Group value related to the available granular rules.
- **Subgroup Name:** You can use this filter to select a specific Subgroup value related to the available granular rules.
- **Rule Name:** You can use this filter to select a specific Rule value.
- **Rule Identifier:** You can use this filter to select a specific Rule Identifier Value.
- **Rule Condition Columns:** You can use this filter to select a specific Condition Value related to the available granular rules.

6.2.1.2 “Process Stats” Canvas Prompt Filters

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

Figure 6-25 Canvas Prompt Filters for Time Dimension

Processor Execution As Of Date	Processor Execution As of Date (Year)	Processor Execution As of Date (Quarter)	Processor Execution As of Date (Month)	Processor Execution As of Date (Day)
Last 2 Quarters	All	All	All	All

- **Processor Execution As-of-Date:** The Execution Period of the Cash Flow Edit Process. 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 6-26 As of Processor Execution Date Selection

- Additional Filters for the Time Dimension are as follows:

- Processor Execution As of Date (Year)
- Processor Execution As of Date (Quarter)
- Processor Execution As of Date (Month)
- Processor Execution As of Date (Day)

Figure 6-27 Canvas Prompt Filters for Standard Dimension

Cashflow Edits Process Name	Execution Run Identifier	Legal Entity Leaf Name	Source Table Name
All	All	All	All

- **Cashflow Edits Process Name:** You can use this filter to select a specific Cash Flow Edit Process Value.
- **Execution Run Identifier:** You can use this filter to select a specific Execution Run Identifier value at leaf related to the Cash Flow Edits Process.
- **Legal Entity Leaf Name:** You can use this filter to select the Legal Entity Leaf Name that is related to the Cash Flow Edit Process Execution.
- **Source Table Name:** You can use this filter to select a specific Source Table Value related to the Cash Flow Edit Process Execution.

6.2.1.3 “Message Log” Canvas Prompt Filters

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

Figure 6-28 Canvas Prompt Filters for Standard Dimension

Cashflow Edits Process Name	Execution Run Identifier	Legal Entity Leaf Name	Source Table Name
All	All	All	All

- **Processor Execution As of Date (Day):** The Execution Period of the Cash Flow Edit process. You can use this filter to isolate a selected timeframe for the analysis.
- **Cashflow Edits Process Name:** You can use this filter to select a specific Cash Flow Edit Process Value.
- **Execution Run Identifier:** You can use this filter to select a specific Execution Run Identifier Value at leaf related to the Cash Flow Edits Process.
- **Account Number:** You can use this filter to select a specific Account Number Value related to the to the Cash Flow Edit Process execution.

6.2.2 Report Data Action

The Data Actions provide the capability to perform drill-down analysis across the downstream report canvases. The drill-down is enabled using a Data Action.

From “Rules” and “Process Stats” report canvases charts, you can select a combination of values, and then perform the navigation to the “message Log” report canvas.

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 Message Log** – the Data Action will be drilling through the “Message Log” canvas.

The following screenshots show the Data Action list as well as the navigation options that appears once you right-click on the desired selection.

Figure 6-29 Data Action Configuration

Data Actions

Actions

Navigate to Message Log

Name: Navigate to Message Log

Type: Analytics Link

Anchor To: Select Data

Target: This Project

Canvas Link: Message Log

Pass Values: All

Supports Multiple Selection: On

Cancel OK

Figure 6-30 Data Action for Drill-down with report Canvases

Cash Flow Edits

Group Name Subgroup Name Rule Name Rule Identifier Condition Columns

Subgroup Name: Negative Amortization

Number of Rules: 19

Cash Flow

Teaser Mortgage Offset TP Effective Date
Rule of 78s Annuity Behaviour Pattern
Lease Adjustment Effective Date
Interest Timing

Negative Amortization

Rules

Rule Identifier	Rule Name	Condition Columns	Condition Subgroup	Condition Updated by Rule	Message Identifier	Message Description	Message Type Description
15	Invalid Negative Amortization Frequency Mortgage	AMORT_FREQ, CORRECT_AMORT_FREQ_MULT	CASE WHEN AMORT_FREQ <= 0 OR AMORT_FREQ > 120 THEN 'F' ELSE 'T' END	NEG_AMORT_FREQ_MULT	15	Negative Amortization Frequency Mortgage must be 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 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976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000	Warning
16	Invalid Negative Amortization Limit	AMORT_LIMIT	CASE WHEN AMORT_LIMIT < 0 OR AMORT_LIMIT > 100 THEN 'F' ELSE 'T' END	NEG_AMORT_LIMIT	16	Negative Amortization limit value does not fall in a valid range (0 to 100). Applicable to Negative amortization independently only.	Warning
17	Invalid Negative Amortization Payment Change Frequency	AMORT_PMT_CHG_FREQ_MULT	CASE WHEN AMORT_PMT_CHG_FREQ_MULT < 0 OR AMORT_PMT_CHG_FREQ_MULT > 100 THEN 'F' ELSE 'T' END	NEG_AMORT_PMT_CHG_FREQ_MULT	17	Payment Change Frequency must be 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 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974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000	Warning
18	Invalid Negative Amortization Payment Change Frequency	AMORT_PMT_CHG_FREQ_MULT	CASE WHEN AMORT_PMT_CHG_FREQ_MULT < 0 OR AMORT_PMT_CHG_FREQ_MULT > 100 THEN 'F' ELSE 'T' END	NEG_AMORT_PMT_CHG_FREQ_MULT	18	Payment Change Frequency must be 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 2	

6.2.3 Rules

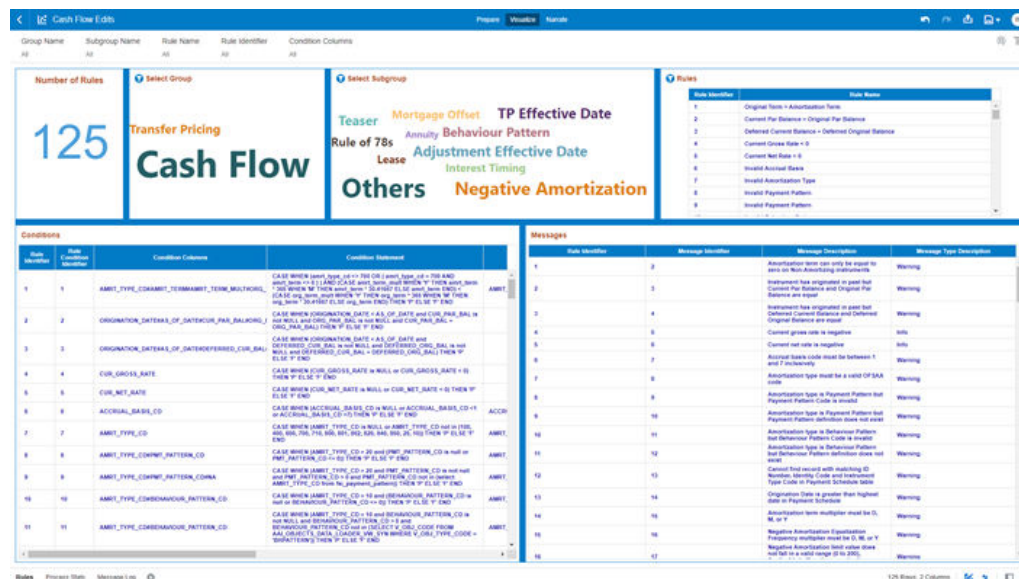
The “Rules” Report provides a view of the available Rules to be leveraged by the Cash Flow Edits processes. You can use the report to identify the list of the available rules within the Application as well as to look at their grouping and subgrouping with the granular details for Conditions and Messages.

You can use a series of Report Prompts, as previously described, to filter the data according to Key Attributes pertaining to the underlying Cash Flow Edit messages.

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

- **Number of Rules:** The chart provides you with the total Number of Rules available within the Application.
- **Select Group:** The chart provides you with a selection capability for the desired Group of rules.
- **Select Subgroup:** The chart provides you with a selection capability for the desired Subgroup of rules.
- **Rules:** The chart reports the list of rules available within the Application.
The columns displayed in the chart are as follows:
 - Rule Identifier
 - Rule Name
- **Conditions:** The chart reports the list of conditions defined for each of the rules available within the Application.
The columns displayed in the chart are as follows:
 - Rule Identifier
 - Rule Condition Identifier
 - Condition Columns
 - Condition Statements
- **Messages:** The chart reports the list of log messages defined for each of the rules available within the Application.
The columns displayed in the chart are as follows:
 - Rule Identifier
 - Message Identifier
 - Message Description
 - Message Type Description

Figure 6-31 “Rules” Report



6.2.4 Process Stats

The “Process Stats” Report provides a view of the available statistics related to the execution of the Cash Flow Edits Processes. You can use the report to identify the number of errors and the aggregated details for the Cash Flow Edits executed out of the underlying Instrument table account data.

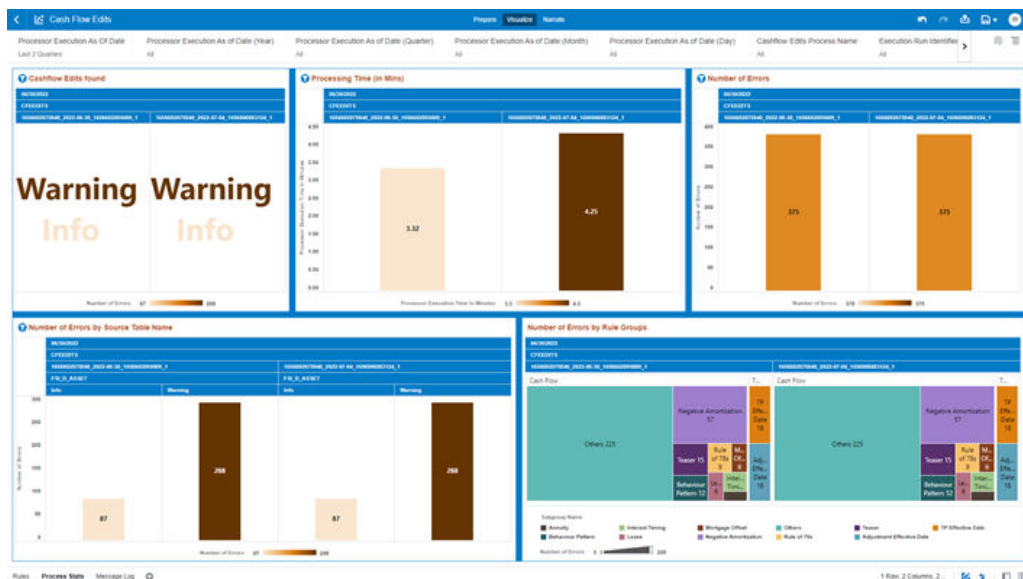
You can use a series of Report Prompts, as previously described, to filter the data according to Key Attributes pertaining to the underlying Cash Flow Edit messages.

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

- Cashflow Edits found:** The chart reports the trend analysis of the Number of Errors for each Cash Flow Edit execution with respect to Processor Execution As-of-Date and the Message Type received during the executions. The columns displayed in the chart are as follows:
 - Processor Execution As of Date (Day)
 - Cashflow Edits Process Name
 - Execution Run Identifier
 - Message Type Description
 - Number of Errors
- Processing Time (in Mins):** The chart reports the trend analysis of the Processing Time for each Cash Flow Edit execution with respect to Processor Execution As-of-Date. The columns displayed in the chart are as follows:
 - Processor Execution As of Date (Day)
 - Cashflow Edits Process Name
 - Execution Run Identifier

- Processor Execution Time In Minutes
- **Number of Errors:** The chart reports the trend analysis of the Number of Errors for each Cash Flow Edit execution with respect to Processor Execution As-of-Date. The columns displayed in the chart are as follows:
 - Processor Execution As of Date (Day)
 - Cashflow Edits Process Name
 - Execution Run Identifier
 - Number of Errors
- **Number of Errors by Source Table Name:** The chart reports the trend analysis of the Number of Errors for each Cash Flow Edit execution with respect to Processor Execution As-of-Date and the Source Table Name where the errors have been identified. The columns displayed in the chart are as follows:
 - Processor Execution As of Date (Day)
 - Cashflow Edits Process Name
 - Execution Run Identifier
 - Source Table Name
 - Message Type Description
 - Number of Errors
- **Number of Errors by Rule Groups:** The chart reports the trend analysis of the Number of Errors for each Cash Flow Edit execution with respect to Processor Execution As-of-Date and the Rule Group/Subgroup. The columns displayed in the chart are as follows:
 - Processor Execution As of Date (Day)
 - Cashflow Edits Process Name
 - Execution Run Identifier
 - Group Name
 - Subgroup Name
 - Number of Errors

Figure 6-32 “Process Stats” Report



6.2.5 Message Log

The “Message Log” Report provides a view of the underlying Cash Flow Edits messages retrieved during the Cash Flow Edit Process execution, and the available granularity is at Customer Accounts level.

You can use a series of Report Prompts, as previously described, to filter the data according to Key Attributes pertaining to the underlying Cash Flow Edit messages.

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

- Message Log:** The Tabular Report displays all the message details related to the execution of the Cash Flow Edit process, including information related to the Customer Account details.
 Following granular elements are available for this table chart:
 - Cashflow Edits Process Name, Processor Execution As of Date (Day), Execution Run Identifier, Account Number, Source Table Name, Rule Name, and Message Description.

Figure 6-33 Message Log Report

Cash Flow Edits						
Processor Execution As of Date (Day)						
Cashflow Edits Process Name						
Execution Run Identifier						
Account Number						
Message Log						
Cashflow Edits Process Name	Processor Execution As of Date (Day)	Execution Run Identifier	Account Number	Source Table Name	Rule Name	Message Description
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Adjustable Negative Amortization instrument has Negative Frequency = 0	Adjustable Negative Amortization instrument
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Adjustable Rate instrument has invalid Interest Rate Code	Interest rate code must be valid for adjustable rate instruments
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Adjustable Type is fixed rate for Negative amortization instrument	Negative amortization instruments cannot have fixed adjustable type code
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Adjustable Type is not fixed but Negative Frequency is 0	Reporting frequency and adjustable type code are inconsistent
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Amortization Type - Accrual Rate Error	Accrual Rate code cannot have a 30 day month amortization instrument with payment frequency multiplier in steps or defined by a payment schedule
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Amortization Type is conventional but interest being in Advance	Interest type can only be advance for conventionally amortizing instruments
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Amortization type is fixed of 30's but Adjustable Type is not fixed	Rate of 30's instrument should only have a Fixed adjustable type code
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Amortization type is Rate of 30's but Negative Frequency is not 0	Rate of 30's instruments are implicitly fixed rate
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Balance on Last Repay Date = 0	The balance as of the last reporting date cannot be equal to 0
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Behavior Type Code is Null	Behavior Type Code is Null, defaulted to "Non-Maturity"
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Calculated Offset Balance > Current Par Balance	Calculated Offset Balance is higher than Current Par Balance
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Current Gross Rate = 0	Current gross rate is negative
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Current Net Rate = 0	Current net rate is negative
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Current Par Balance = 0	Instruments with Current Par Balance zero are not processed
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Current Payment > Original Par Balance	Instrument has originated in past but Current Par Balance and Original Par Balance are equal
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Current Payment and Current Par Balance have opposite signs	Current payment and current par balance can not have opposite signs
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Current Payment is greater than Life Pay Cap	Current payment is greater than the maximum payment amount. Applicable to negative amortization instruments only
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Current Payment is less than Life Pay Floor	Current payment is less than the minimum payment amount. Applicable to negative amortization instruments only
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Deferred Current Balance > Deferred Original Balance	Instrument has originated in past but Deferred Current Balance and Deferred Original Balance are equal
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Holiday calendar not given for 30's annual basis	Holiday calendar must be given when using Business/30 annual basis
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Interest Payment Freq > Original Term	Interest Payment frequency cannot be greater than original term
CFEEDIT1	06/30/2022	1658602075040_2022-06-30_165860209000_1	516_7000_PPRCONV_A31_A196_A20V_SCH_00000_0070	F30_D_A3367	Interest Payment Frequency < 0	Interest Payment frequency is less than or equal to zero, and both maturity date and origination date are valid dates and can be used to

Rules Process Status Message Log

744 Rows, 7 Columns

7

Processed Data Insights

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

7.1 Process Results Data Analysis

You can use the Process Results Data Analysis Report to monitor trend on your processed Instrument Table Data Dimensions and Metrics required for Transfer Price your Balance Sheet with Base Rate and multiple Add On Rates.

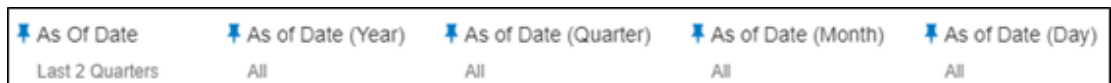
The Process Results Data Analysis is arranged as a set of reports catering to analysis of the following categories:

- Transfer Rate Outliers
- Rate & Charge Credit
- Rate Bands
- FTP Margin
- Regional FTP Margin Rate
- Regional FTP Margin Amount
- Detailed Acct Level Info
- STD Deviation

7.1.1 Common Filters

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

Figure 7-1 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 7-2 As-of-Date Selection

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

Figure 7-3 Canvas Prompt Filters for key Attributes

Currency Code All Consolidation Code Name All Instrument Table Name All Input File Name All Branch Leaf Name All Geography Leaf Name All Industry Leaf Name All Customer Type Name All Account Officer Name All

- **Currency Code:** You can use this filter to select a specific Currency Code for the underlying Instrument Tables Accounts.
- **Consolidation Code Name:** You can use this filter to select a specific Consolidation type as it identifies the values for Actual, Budget, Forecast, and Forecast Prior.
- **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.
- **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.
- **Customer Type Name:** You can use this filter to select the Customer Type for the underlying Instrument Tables Accounts.
- **Account Officer Name:** You can use this filter to select the Account Officer or Account Manager for the underlying Instrument Tables Accounts.

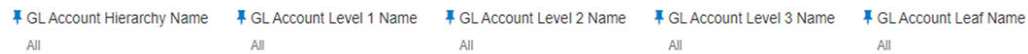
Figure 7-4 Canvas Prompt Filters for Legal Entity Key Processing Dimension

- **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 7-5 Canvas Prompt Filters for Common COA Key Processing Dimension

- **Common COA Hierarchy Name:** 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 7-6 Canvas Prompt Filters for GL Account Key Processing Dimension



- **GL Account Hierarchy Name:** 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 7-7 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 7-8 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.

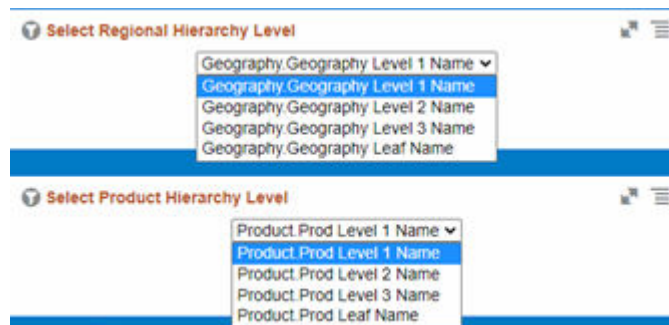
7.1.2 Report Hierarchies

The Report provides you with the roll-up and drill-down capability on the underlying Instrument account level data, leveraging the available levels for the two following Hierarchies:

- Product Hierarchy
- Region Hierarchy

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

Figure 7-9 Variable Prompt for Instrument Tables Key Processing Dimension Hierarchies



7.1.3 Report Data Action

The Data Actions provide the capability to perform drill-down analysis across the downstream report canvases. The drill-downs are enabled using six 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.

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:

- **Analyze Rate & Charge Credit** – the Data Action will be drilling through the “Analyze Rate & Charge Credit” canvas.
- **Analyze Rate Bands** – the Data Action will be drilling through the “Analyze Rate Bands” canvas.
- **Analyze FTP Margin** – the Data Action will be drilling through the “Analyze FTP Margin” canvas.
- **Analyze FTP Margin Rate by Region** – the Data Action will be drilling through the “Analyze FTP Margin Rate by Region” canvas.
- **Analyze FTP Margin Amount by Region** – the Data Action will be drilling through the “Analyze FTP Margin Amount by Region” canvas.
- **Analyze Account Details** – the Data Action will be drilling through the “Analyze Account Details” canvas.

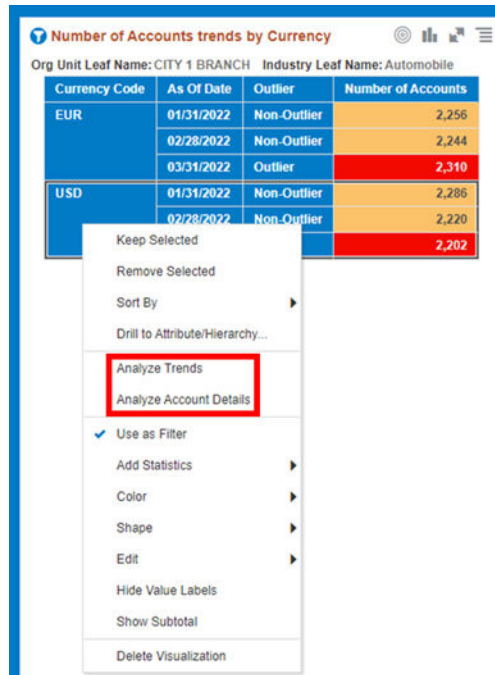
The following screenshots show the Data Actions list as well as the navigation options that appears once you right-click on the desired selection.

Figure 7-10 Data Action Configuration

The screenshot shows a 'Data Actions' configuration window. At the top, there's a title bar 'Data Actions'. Below it, a list of actions is shown, with 'Navigate to Message Log' selected. The configuration details for this action are as follows:

- Name:** Navigate to Message Log
- Type:** Analytics Link
- Anchor To:** Select Data
- Target:** This Project
- Canvas Link:** Message Log
- Pass Values:** All
- Supports Multiple Selection:** On

At the bottom, there are 'Cancel' and 'OK' buttons.

Figure 7-11 Data Action for Drill-down with Report Canvases

7.1.4 Transfer Rate Outliers

This canvas allows you to look at the Transfer Rate Outliers that are calculated using the Standard Deviation capability available off the shelf with Oracle Analytics.

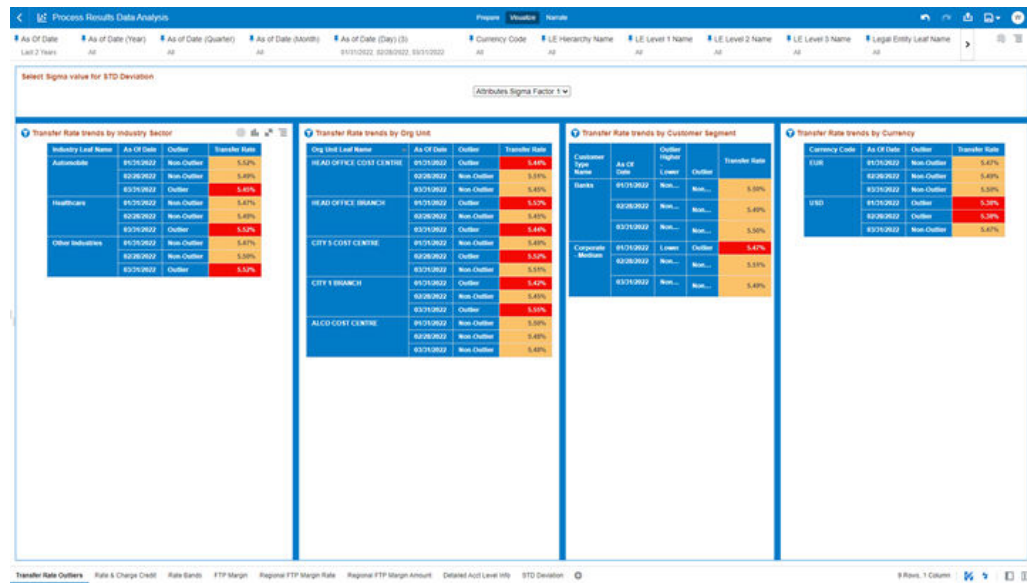
The Transfer Rate pertaining to the Instrument level data is segregated between "Outlier" and "Non-Outlier" in the report column "Outlier".

"Outlier" in this case refers to the Transfer Rate, for a particular subset related to a combination of Dimensional Values that lie outside the confidence interval of the deviation that we are adopting in our technique.

"Non-Outlier" would refer to the Transfer Rate, for a particular subset related to a combination of Dimensional Values that lie inside the confidence interval of the deviation.

The outliers are calculated on the Transfer Rate aggregated by the respective combination of Dimensional Values, such as Industry, Org Unit, Customer Segment, and Currency against the As-of-Date available.

Figure 7-12 “Transfer Rate Outliers” Report Canvas



The Transfer Rate can be identified as an Outlier or a Non-Outlier based on the standard deviation confidence interval that we adopt.

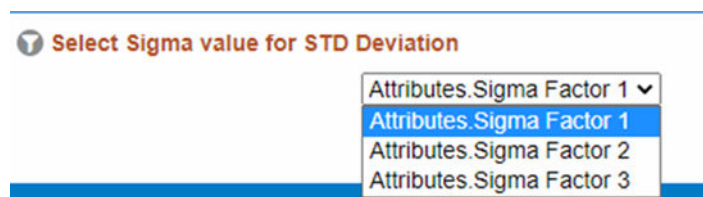
This confidence interval is parametrized with the list of the Sigma values available in the report that is “Attributes.Sigma Factor 1”, “Attributes.Sigma Factor 2”, and “Attributes.Sigma Factor 3”.

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 7-13 Sigma Factor selection for STD Deviation



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

The report displays the underlying Instrument account 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”.
- **Transfer Rate trends by Industry Sector:** This chart deduces if the Transfer Rate related to the different Industry Sectors is an “Outlier” or “Non-Outlier” for a combination of As-of-Date and Industry Leaf Name.
The columns displayed in the chart are as follows:
 - Industry Leaf Name
 - As Of Date
 - Outlier
 - Transfer Rate
- **Transfer Rate trends by Org Unit:** This chart deduces if the Transfer Rate related to the different Org Units is an “Outlier” or “Non-Outlier” for a combination of As-of-Date and Org Unit Leaf Name.
The columns displayed in the chart are as follows:
 - Org unit Leaf Name
 - As Of Date
 - Outlier
 - Transfer Rate
- **Transfer Rate trends by Customer Segment:** This chart deduces if the Transfer Rate related to the different Customer Segments is an “Outlier” or “Non-Outlier” for a combination of As-of-Date and Customer Type Name.
The columns displayed in the chart are as follows:
 - Customer Type Name
 - As Of Date
 - Outlier
 - Transfer Rate
- **Transfer Rate trends by Currency:** This chart deduces if the Transfer Rate related to the different Currencies is an “Outlier” or “Non-Outlier” for a combination of As-of-Date and Currency Code.
The columns displayed in the chart are as follows:
 - Currency Code
 - As Of Date
 - Outlier
 - Transfer Rate

7.1.5 Rate & Charge Credit

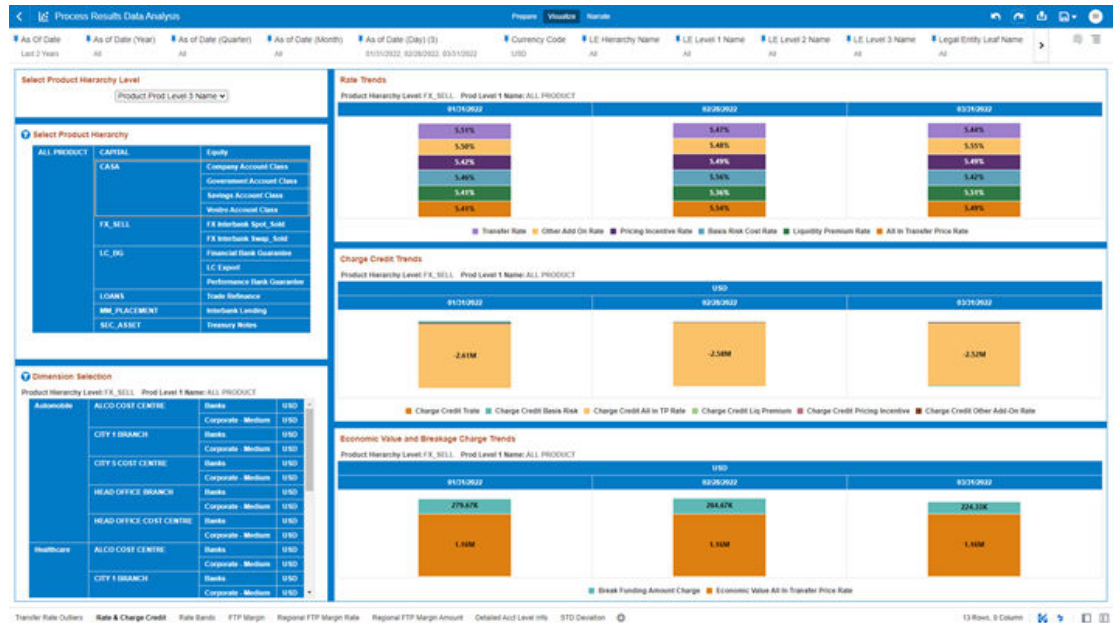
The “Rate & Charge Credit” Report provides the trend of the Transfer Price calculation metrics with respect to As-of-Date.

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

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

- **Select Product Hierarchy Level:** The chart provides you with a selection capability for the desired Product Hierarchical level.
- **Select Product Hierarchy:** The chart provides you with three levels of the hierarchy – the selected level from the “Select Product Hierarchy level” as well as the Product Level 1 Name and Product leaf nodes (*Product Leaf Name*). You use this chart to further filter down the “Rate & Charge Credit” canvas charts.
- **Dimension Selection:** The chart provides you with selection capability on the available Dimension of Analysis – the available dimensions for selection are Industry Leaf Name, Org unit Leaf Name, Customer Type Name, and Currency Code. You use this chart to further filter down the “Rate & Charge Credit” canvas charts.
- **Rate Trends:** The chart reports the trend analysis of the Rates with respect to As-of-Date.
The columns displayed in the chart are as follows:
 - As Of Date
 - Transfer Rate
 - Other Add On Rate
 - Pricing Incentive Rate
 - Basis Risk Cost Rate
 - Liquidity Premium Rate
 - All In Transfer Price Rate
- **Charge Credit Trends:** The chart reports the trend analysis of the Charge Credit with respect to As-of-Date.
The columns displayed in the chart are as follows:
 - Currency Code
 - As Of Date
 - Charge Credit Trate
 - Charge Credit Basis Risk
 - Charge Credit All in TP Rate
 - Charge Credit Liq Premium
 - Charge Credit Pricing Incentive
 - Charge Credit Other Add-On Rate
- **Economic Value and Breakage Charge Trends:** The chart reports the trend analysis of the Charge Credit with respect to As-of-Date.
The columns displayed in the chart are as follows:
 - Currency Code
 - As Of Date
 - Break Funding Amount Charge
 - Economic Value All In Transfer Price Rate

Figure 7-14 “Rate & Charge Credit” Report canvas



7.1.6 Rate Bands

The “Rate Bands” Report provides the Number of Accounts by Rate Band for the Transfer Price calculation metrics 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 Instrument level data.

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

- **Select Product Hierarchy Level:** The chart provides you with a selection capability for the desired Product Hierarchical level.
- **Select Product Hierarchy:** The chart provides you with three levels of the hierarchy – the selected level from the “Select Product Hierarchy level” as well as the Product Level 1 Name and Product leaf nodes (*Product Leaf Name*). You use this chart to further filter down the “Rate Bands” canvas charts.
- **Dimension Selection:** The chart provides you with selection capability on the available Dimension of Analysis – the available Dimensions for selection are Industry Leaf Name, Org unit Leaf Name, Customer Type Name, and Currency Code. You use this chart to further filter down the “Rate Bands” canvas charts.
- **Number of Accounts by Transfer Rate Band:** The chart reports the trend analysis of the Number of Accounts by Transfer Rate Band with respect to As-of-Date. The columns displayed in the chart are as follows:
 - As Of Date
 - Number of Accounts
 - Transfer Rate Band
- **Number of Accounts by All in TP Rate Band:** The chart reports the trend analysis of the Number of Accounts by All in TP Rate Band with respect to As-of-Date.

The columns displayed in the chart are as follows:

- As Of Date
- Number of Accounts
- All in TP Rate Band

- **Number of Accounts by Other Add-On Rate Band:** The chart reports the trend analysis of the Number of Accounts by Other Add-On Rate Band with respect to As-of-Date.

The columns displayed in the chart are as follows:

- As Of Date
- Number of Accounts
- Other Add-On Rate Band

- **Number of Accounts by Pricing Incentive Rate Band:** The chart reports the trend analysis of the Number of Accounts by Pricing Incentive Rate Band with respect to As-of-Date.

The columns displayed in the chart are as follows:

- As Of Date
- Number of Accounts
- Pricing Incentive Rate Band

- **Number of Accounts by Liquidity Premium Rate Band:** The chart reports the trend analysis of the Number of Accounts by Liquidity Premium Rate Band with respect to As-of-Date.

The columns displayed in the chart are as follows:

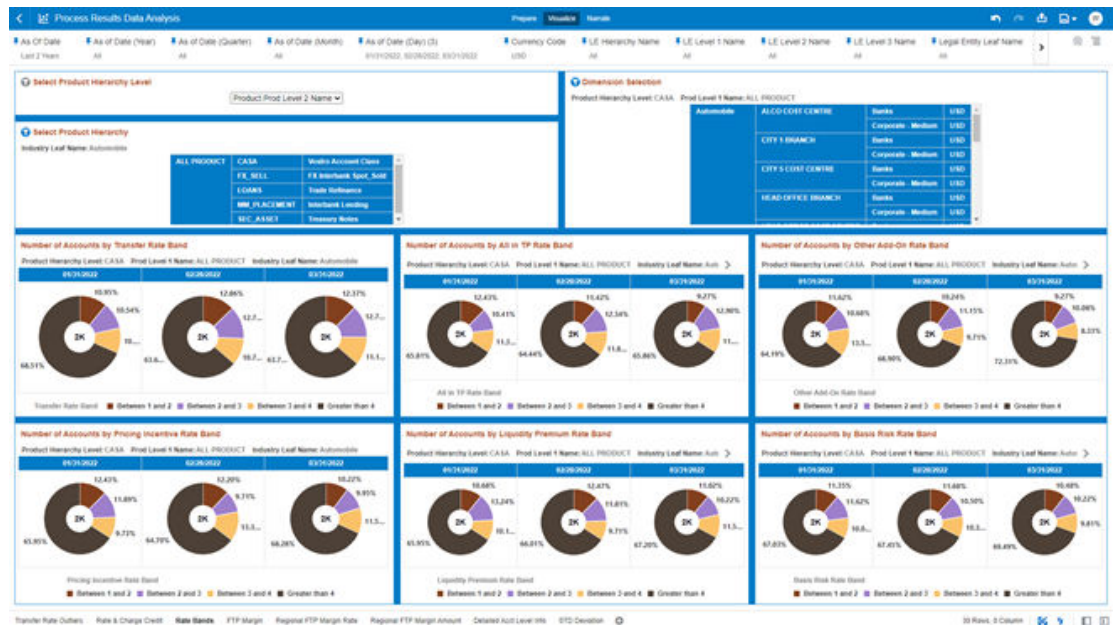
- As Of Date
- Number of Accounts
- Liquidity Premium Rate Band

- **Number of Accounts by Basis Risk Rate Band:** The chart reports the trend analysis of the Number of Accounts by Basis Risk Rate Band with respect to As-of-Date.

The columns displayed in the chart are as follows:

- As Of Date
- Number of Accounts
- Basis Risk Rate Band

Figure 7-15 “Rate Bands” Report Canvas



7.1.7 FTP Margin

The “FTP Margin” Report provides the Transfer Price calculation metrics trends by Account Origination Date 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 Instrument level data.

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

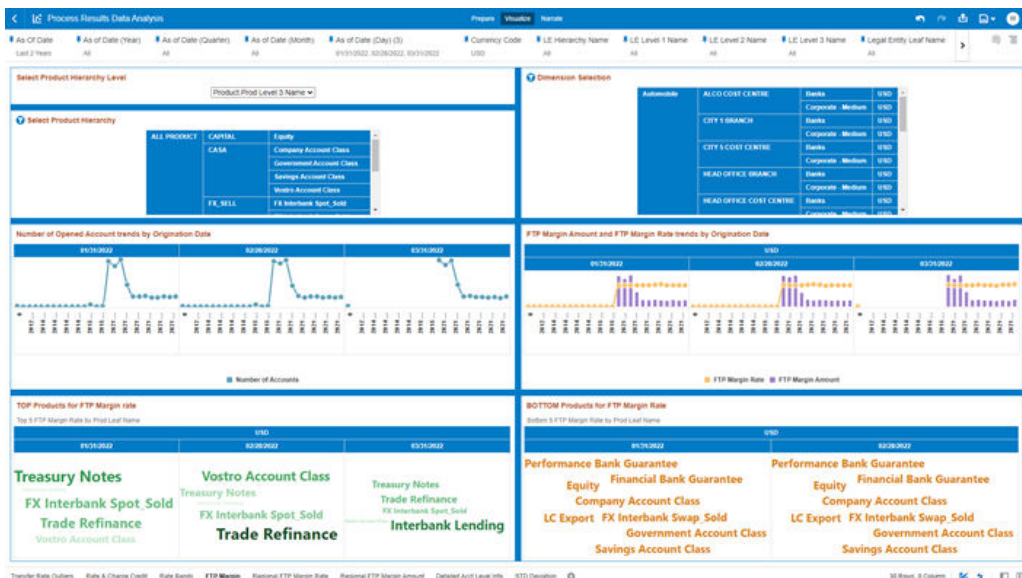
- **Select Product Hierarchy level:** The chart provides you with a selection capability for the desired Product Hierarchical level.
- **Select Product Hierarchy:** The chart provides you with three levels of the hierarchy – the selected level from the “Select Product Hierarchy level” as well as the Product Level 1 Name and Product leaf nodes (*Product Leaf Name*). You use this chart to further filter down the “FTP Margin” canvas charts.
- **Dimension Selection:** The chart provides you with selection capability on the available Dimension of Analysis – the available dimensions for selection are Industry Leaf Name, Org unit Leaf Name, Customer Type Name, and Currency Code. You use this chart to further filter down the “FTP Margin” canvas charts.
- **Number of Opened Account trends by Origination Date:** The chart reports the trend analysis of the Number of Opened Accounts by Account Origination Date with respect to As-of-Date.

The columns displayed in the chart are as follows:

- As Of Date
- Number of Accounts
- Account Origination Date (Month)

- FTP Margin Amount and FTP Margin Rate trends by Origination Date:** The chart reports the trend analysis of the FTP Margin Amount and FTP Margin Rate by Account Origination Date with respect to Currency Code and As-of-Date. The columns displayed in the chart are as follows:
 - Currency Code
 - As Of Date
 - FTP Margin Rate
 - FTP Margin Amount
- TOP Products for FTP Margin Rate:** The chart ranks the top Products based on the FTP Margin Rate 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 as follows:
 - Currency Code
 - As Of Date
 - Product Leaf Name
 - FTP Margin Rate
- BOTTOM Products for FTP Margin Rate:** The chart ranks the bottom Products based on the FTP Margin Rate 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 as follows:
 - Currency Code
 - As Of Date
 - Product Leaf Name
 - FTP Margin Rate

Figure 7-16 “FTP Margin” Report Canvas



7.1.8 Regional FTP Margin Rate

The “Regional FTP Margin Rate” Report provides the FTP Margin Rate trends by Product and Region 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 Instrument level data.

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

- **Select Product Hierarchy level:** The chart provides you with a selection capability for the desired Product Hierarchical level.
- **Select Product Hierarchy:** The chart provides you with the product level selected from “*Select Product Hierarchy level*” variable prompt. You use this chart to further filter down the “Regional FTP Margin Rate” canvas chart.
- **Dimension Selection:** The chart provides you with selection capability on the available Dimension of Analysis – the available dimensions for selection are Industry Leaf Name, Org unit Leaf Name, Customer Type Name, and Currency Code. You use this chart to further filter down the “Regional FTP Margin Rate” canvas charts.
- **Select Regional Hierarchy Level:** The chart provides you with a selection capability for the desired Region Hierarchical level.
- **FTP Margin Rate:** The chart reports the trend analysis of the FTP Margin Rate with respect to As-of-Date.
The columns displayed in the chart are as follows:
 - Product Hierarchy Level – the product level selected from “*Select Product Hierarchy level*” variable prompt.
 - Region hierarchy Level – the region level selected from “*Select Regional Hierarchy level*” variable prompt.
 - As Of Date
 - FTP Margin Rate

7.1.9 Regional FTP Margin Amount

The “Regional FTP Margin Amount” Report provides the FTP Margin Amount trends by Product and Region with respect to As-of-Date.

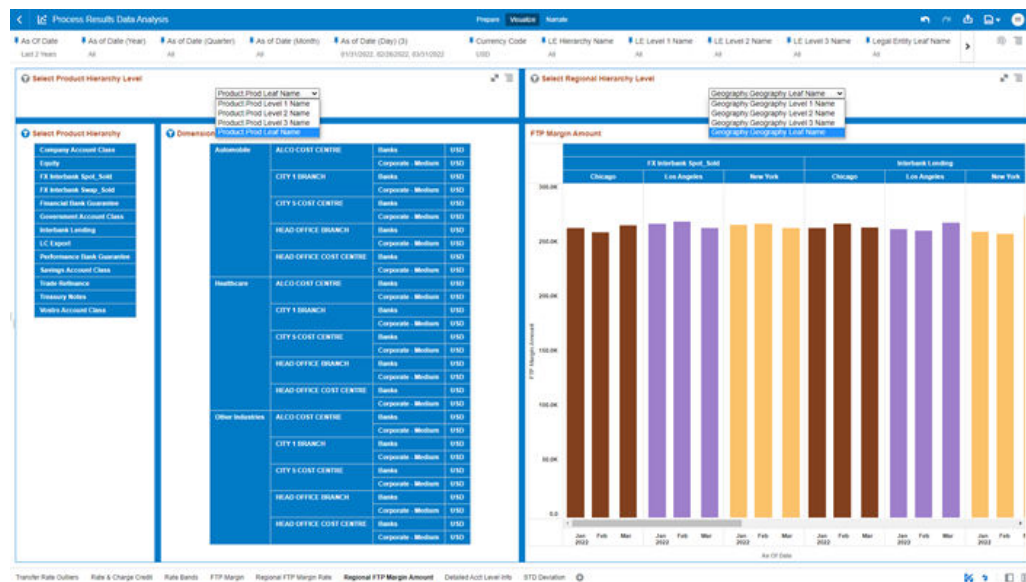
You can use a series of Report Prompts, as previously described, to filter the data according to Key Attributes pertaining to the underlying Instrument level data.

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

- **Select Product Hierarchy Level:** The chart provides you with a selection capability for the desired Product Hierarchical level.
- **Select Product Hierarchy:** The chart provides you with the product level selected from “*Select Product Hierarchy level*” variable prompt. You use this chart to further filter down the “Regional FTP Margin Amount” canvas chart.
- **Dimension Selection:** The chart provides you with selection capability on the available Dimension of Analysis – the available dimensions for selection are Industry Leaf Name, Org unit Leaf Name, Customer Type Name, and Currency Code. You use this chart to further filter down the “Regional FTP Margin Amount” canvas charts.

- **Select Regional Hierarchy Level:** The chart provides you with a selection capability for the desired Region Hierarchical level.
- **FTP Margin Amount:** The chart reports the trend analysis of the FTP Margin Amount with respect to As-of-Date.
The columns displayed in the chart are as follows:
 - Product Hierarchy Level – the product level selected from “*Select Product Hierarchy level*” variable prompt.
 - Region hierarchy Level – the region level selected from “*Select Regional Hierarchy level*” variable prompt.
 - Currency Code
 - As Of Date
 - FTP Margin Amount

Figure 7-17 “Regional FTP Margin Amount” Report



7.1.10 Detailed Acct Level Info

The “Detailed Acct Level Info” 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”, “Legal Entity Leaf Name”, “Org Unit Leaf Name”, “Geography Leaf Name”, “GL Account Leaf Name”, “Prod Leaf Name”, “Currency Code”, “Remaining Term”, “Industry Leaf Name”, “Branch”, “Customer Type Name”,

"Origination Date", "Identity Code", "Id Number", "Account Number", "Customer Identifier", "Current Net Rate", "FTP Margin Rate", "FTP Margin Amount", "Cur Par Balance", "Transfer Rate", "Transfer Rate Band", "Other Add On Rate", "Other Add-On Rate Band", "Pricing Incentive Rate", "Pricing Incentive Rate Band", "Basis Risk Cost Rate", "Basis Risk Rate Band", "Liquidity Premium Rate", "Liquidity Premium Rate Band", "All In Transfer Price Rate", "All in TP Rate Band", "Transfer Rate Charge Credit", "Other Add On Charge Credit", "Pricing Incentive Charge Credit", "Basis Risk Charge Credit", "Liquidity Premium Charge Credit", "All In Transfer Price Rate Charge Credit", "Break Funding Amount Charge" and "Economic Value All In Transfer Price Rate".

Figure 7-18 “Detailed Acct Level Info” Report

7.1.11 STD Deviation

The “STD Deviation” Report highlights the Transfer Rate Outliers that are calculated using the Standard Deviation capability available off the shelf with Oracle Analytics.

The Transfer Rate pertaining to the Instrument level data is segregated between “Non-Outlier”, “Higher”, and “Lower” in the report column “Outlier Higher – Lower”.

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

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

- **Transfer Rate trends by Customer Segment:** (the chart is available in both bar and tabular formats): The chart reports the trend analysis of the Transfer Rate with respect to As-of-Date.

The columns displayed in the bar chart are as follows:

- Customer Type Name
- As Of Date

- Lower 2σ – the Transfer Rate STD Deviation value calculated for 2 sigma on the lower band
- Upper 2σ – the Transfer Rate STD Deviation value calculated for 2 sigma on the upper band
- Transfer Rate

The columns displayed in the tabular chart are as follows:

- Customer Type Name
- As Of Date
- “Outlier Higher – Lower” – defines if a Transfer Rate value, for each combination of Dimensional Values and As of Date, is Higher, Lower or Non-Outlier based on the STD Deviation calculation (labelled as “Higher” when the Transfer Rate is greater than the 2 sigma for the STD Deviation on the upper band, “Lower” when the Transfer Rate is lower than the 2 sigma for the STD Deviation on the lower band, and Non-Outlier when the Transfer Rate is within the range of the STD Deviation for “+2 sigma” and for “-2 sigma”)
- Transfer Rate

Figure 7-19 “STD Deviation” Report

