Data Analysis
AAA Data Analysis helps the user to become familiar with the data, identify data quality problems and discover data characteristics or subsets to form hypotheses regarding hidden information.

**FEATURES**

1. Seamless flow of metadata to check for patterns.
2. Understand the meaning of each attribute and attribute value in business terms.
3. Supports Univariate and Bivariate analysis with visualizations.
4. For each attribute, compute statistics such as standard deviation, Min, Max, Median, Mode, etc.

**KEY BENEFITS**

1. Analyze properties of interesting attributes in detail.
2. Team collaboration and sharing.
3. Easily abstract datasources.
4. Secure sensitive information by filtering data.
5. Identify missing attributes and blank fields.

**DATA ANALYSIS WORKFLOW**

1. **Access Analance URL**
2. **Access Advanced Analytics**
3. **Add existing Business Challenge**
4. **Select Add**
5. **Add Data Analysis**
6. **Select type of Analysis**
7. **Select Columns**
8. **Associate withDatasource**

**PREREQUISITES**

1. Data must be available in any one of different data connector formats supported by Analance.

**RELATIONAL DATABASES**

- Oracle
- MySQL
- PostgreSQL
- Teradata
- SQL Server
- Access
- IBM DB2
- SQLite
- MariaDB

**BIG DATA**

- Hortonworks
- Impala
- MapR
- Hive
- Apache Drill
- ElasticSearch
- Hadoop

**API**

- SharePoint
- OData

**FILE**

- XLS
- JSON
- XML

**SOCIAL MEDIA**

- Facebook
- Twitter

**CUBES**

- SQL Server

2. A business challenge must exist.
Add a Data Analysis

01 SELECT A BUSINESS CHALLENGE:

1. Login to Analance using your Analance URL.
2. Click Advanced Analytics.

02 Click Add (+) > Data analysis.
03 Type the Name and Description of the data analysis and then click Create.

04 Click Select a datasource for Data Analysis.
05 TO SELECT DATA:

1. Under Available Datasources, select an existing datasource. A preview will be shown.
2. Click Add.

Note: You can also add a new datasource by clicking New datasource and following the step-by-step wizard.

06 TO PREPARE FEATURE:

1. Select the required columns for analysis.
2. For each column, specify if the column is a main field for data analysis by selecting Treat as categorical.
3. Choose Univariate, Bivariate or both for analysis.
4. Click Execute.

The analysis will start working in the background. When the data analysis is complete, a notification will appear in the Notification area.