Data Analyzer – Light in the Dark.

Data Analyzer serves to analyse and make profiles of your data from within the Data Quality Service Hub. This is essential because before implementing any quality improvement measures the actual condition of the data must be known – ideally before undertaking projects such as data migration, data quality initiatives, master data management or data warehousing. Data Analyzer allows you to create a rapid and precise view of the condition of your data.

Interactive analysis enables you to have qualified and reliable statements about the state and quality of your data, also when large quantities are involved. A large amount of additional information can be gained with user-defined rules and metrics. Zoom-in functions, segmentation and filtering possibilities enable data to be viewed from every aspect. Problematic data is reliably identified and further measures and priorities for your data quality management can be decided as necessary.

FEATURES

▶ **Data Analyzer enables uncertainties to be dealt with, such as:**

– What information is missing?

– Where do suspicious, discordant entries appear?

– Where does the format not suit the meaning?

– Where are two or more attributes not consistent?

– Where are the prescribed rules contravened?

– In what context do errors occur?

– How does an error appear in the various data segments (different regions, different acquisition periods etc.)?

– How does the incidence of errors alter over the course of time?

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◗ **Fast connection** to widely differing sources such as relational databanks, flat files or applications, and a simple to use wizard for loading data into the Data Analyzer.

◗ **Information for every attribute:** Data Analyzer automatically supplies statistical information for every attribute, such as the proportion of zero values and unambiguous values, as well as an overview of the values occurring and their frequency.

Three different views make the main aspects of a table or column clear immediately:

– An overview with information about every column
– A value view showing the different column values and their frequency
– A data view showing complete datasets

Conspicuous or problematic values can be examined in the context of an entire dataset.

◗ **Drilldown functionality** enables any desired data extracts to be viewed at the press of a key. All three views adapt automatically to the criteria set for the drilldown, soon making clear in which sections especially large numbers of problems occur and what dependencies exist to other data attributes.

◗ **User defined rules** make it possible to generate a wide range of additional information according to your needs which can be then used for drilldown and analysis. User defined rules provide valuable supplementary information about a dataset. This information is added to the original dataset as an additional attribute.

◗ **Segmentation:** A table can be segmented according to differing criteria (e.g. regional segmentation, time segmentation). The properties of the columns are then presented in parallel for direct comparison in the respective view.

ADVANTAGES

Data Analyzer transforms vague assumptions into precise knowledge. Its profiling tool creates qualified statements about quality considerably faster and more efficiently than conventional, manual analysis techniques. It reduces time and effort for the analysis phase in data quality, data integration or data migration projects by up to 90 percent, thereby saving your resources. As soon as the data is loaded from the databank it is immediately available for analysis. Column-oriented databank technology makes it possible to have an interactive and optimal analysis of data quality – even for the largest data quantities. The user friendly intuitive interface and range of information available make the Data Analyzer suitable for widely ranging users, such as data analysts, business process designers and other responsible persons, as well as databank administrators and software developers. Data Analyzer provides the basis for targeted data cleansing and data protection measures. The Data Quality Service Hub from Uniserv gives you the data consistency demanded by your processes and applications.

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