Visualizers

In Megaladata, *visualizers* are built-in tools that allow you to configure a convenient data display.

Working with visualizers

To add a visualizer, click the **Configure visualizers** button on a workflow node.

In the window that opens, you will find a list of visualizers available for the node, represented as a tree on the left. In the main workspace, there will be a list of the node's output ports whose data can be visualized. Under a port's name, you'll see the **Add visualizer** area with a "plus" icon.

To add a visualizer, select it from the tree and click on the desired output port, or just drag it to the port. The visualizer's image will appear at the port, along with **Enter** and **Delete** buttons.

To remove a visualizer, click the **Delete** button in the upper right corner of the visualizer.

> **Important**: Different visualizers are designed for different data ports. If a visualizer is not supported by the port, it will not be added. Some visualizers are component-specific and only appear in the list for certain nodes.

Toolbar

The Visualizers page toolbar provides the following commands:

- **Rename** (F2): Rename the selected visualizer.
- **Cut** (CTRL + X): Select the visualizer for cutting.
- **Copy** (CTRL + C): Select the visualizer for copying.
- **Paste** (CTRL + V): Insert a copied or cut visualizer.
- **Clone**: Add a new visualizer, similar to the one selected.
- **Delete** (Delete): Remove the selected visualizer.
- **Delete all**: Remove all added visualizers.
- **Add to reports**: Generate a report based the selected visualizer

The **Cut** and **Copy** commands can be applied to multiple visualizers at once.

After selecting a visualizer or a group of visualizers, you can copy and paste them to the current node or a different node. If the destination node has multiple output ports, the **Paste** button will show a dropdown menu for selecting the specific port.

You can convert any visualizer into a *report*. Select the desired visualizer and click **Add to reports** on the toolbar or in the context menu. You can add the visualizer directly or place it within a report group, creating a new group if necessary. The visualizer will then be accessible in the **Reports** section of the **Navigation** pane. You can open it via the main menu or by using the **Show in reports** command that will appear in the visualizer's context menu.

To configure a visualizer you added, click **Enter** and proceed to the wizard. You will find more information on setting up individual visualizers in their dedicated subsections.

Available visualizers

Table view visualizers

- Chart: A graphical representation of data.
- Data Quality: Performs a comprehensive assessment of data quality for each field.
- Cube: A multidimensional representation of data.
- Statistics: Statistical indicators for the dataset fields.
- Table: A tabular representation of data.

Component-specific visualizers

- Duplicates and Contradictions: Intended for viewing duplicate and contradictory records of the source dataset. Available for **Duplicate Detection** nodes.
- Coarse classes: Represents the results of the optimal quantization procedure in the form of fine and coarse classes, a WoE chart, and information values (IV). Available for **Coarse Classes** nodes.
- Cluster Profiles: Various statistical indicators of clusters, the structure of clusters, and their comparison with each other. Available for **Clustering** and **EM Clustering** nodes.
- Linear Regression Report and Regression Report: Statistical parameters and statistical testing results for regression models. Available for some regression nodes.
- Binary classification assessment: Generates data series sets for chart construction. Defines optimal cutoffs and calculates classification assessments. Constructs histograms of the distribution of events and non-events in samples to obtain series points. Available for **Logistic Regression** nodes.

Additional visualizers

There are also two specific visualizers for preliminary examination or control of data. These are unavailable in the standard **Configure visualizers** wizard:

- Quick view: A representation of a node's output. Available on an active output port.
- Preview: A data preview option available within the wizards of some nodes, such as **Calculator**, **Database** (import), or **JavaScript**.

Articles in Section:

- Chart
- Data quality
- Cube
- Statistics
- Table
- Duplicates and contradictions
- Coarse Classes
- Cluster Profiles
- Regression Report (Linear)
- Regression Report (Logistic)
- Binary Classification Assessment
- Quick Data View
- Preview