

# Add Additive Or Non-Additive Metrics

You can add additive or non-additive metrics to a model by choosing a column in the fact dataset, and choosing a supported aggregate calculation to apply to the data in that column.

## Before You Start

When using Databricks SQL as a data warehouse, you can use the `databricks.estimateddistinctcount.deviation` engine setting to specify the maximum relative standard deviation allowed for the `approx_count_distinct` aggregate function. The default value is `0.02`.

## Procedure

To add an additive or non-additive metric:

1. In the **Repo Browser**, locate the dataset you want to base your metric on, open its context menu and select **Create metric**. The **Edit Metric** panel appears.
2. Complete the following fields:
  - ▲ **Display name**: The name of the metric that appears in BI tools.
  - ▲ **Unique name**: The unique name of the metric. This value must be unique across all repositories and subrepositories.
  - ▲ **Description**: A description of the metric.
  - ▲ **Dataset**: The dataset that contains the source column the metric is based on. This should be the model's fact dataset.
  - ▲ **Target column**: The dataset column the metric is based on.
3. In the **Aggregation type** field, select the the aggregate calculation to apply to the data.

Type of Metric	Supported Aggregation Types
Additive	Average Distinct Count Estimate Max Min Non-distinct Count: count non-null Population Standard Deviation: stddev_pop Population Variance: var_pop Sample Standard Deviation: stddev_samp Sample Variance: var_samp Sum
Non-Additive	Distinct Count Percentile



**Note:** If you select **Percentile** and would like to specify a compression factor or a quantile for the metric, you must do so by editing its SML after saving it. For more information, see [Metrics](#).

4. In the **Data Handling and Formatting** section, enter the following details:
  - ▲ **Override Default Handling:** For information about this field, see [About Queries on Dimensions that are Unrelated to One or More Queried Measures](#).
  - ▲ **Formatting:** Select the format for the values. If you select **Custom**, you must enter a custom data format. For more information, see [Formats for Data Values](#).
5. In the **Visibility in Published Data Sources** section, enable/disable the **Include in the list of available metrics** option. When enabled, the metric appears in deployed versions of the model.
6. Click **Apply**.

The new metric appears in the `metrics/` folder of the **Repo Browser**.