

Excluding Specific Attributes From Aggregates

As of AtScale version 2020.2.0, there are new settings that allow the user to manually exclude specific attributes from being used as grouping keys in aggregations. These settings can be applied to both [level attributes](#) and [secondary dimensional attributes](#).

Settings

Exclude from System-Generated Dimension-Only Aggregates

This setting prevents the attribute from being used as a group-by column in a system-generated dimension-only aggregate. This is useful if the attribute contains a large number (e.g. millions) of distinct values, such that aggregation based on this attribute will be ineffective.

Exclude from System-Generated Fact-Based Aggregates

The AtScale engine excludes this attribute from being used as a group-by column in system-generated fact-based aggregates. Setting this option may be appropriate if the attribute contains a large number (e.g. millions) of distinct values, such that aggregation based on this attribute will be ineffective.

Figure 1. The Exclude from System-Generated Dimension-Only Aggregates setting on the Create a Level Dialog.

The screenshot shows a dialog box titled "Create a Level" with a teal header. The main content area is dark gray and divided into two sections: "Data Handling" and "Visualization".

Data Handling
Specify the nature of the data and handle specific circumstances

- Exclude from System-Generated Dimension-Only Aggregates**
Excludes this attribute from system generated dimension-only aggregates. Useful if the attribute contains a large number (e.g. millions) of distinct values that you don't want to aggregate.
- Exclude from System-Generated Fact-Based Aggregates**
Excludes this attribute from system generated fact-based aggregates. Useful if the attribute contains a large number (e.g. millions) of distinct values that you don't want to aggregate.
- Contains Unique Names** ⓘ
Enable if each member of this attribute has a unique name. This must NOT be enabled if two members have different keys but the same name.
- Custom Empty Member**
In the event this level would return an empty string, instead return a custom string.

Visualization
Control how this level appears in your visualizer

- Visible** ⓘ

At the bottom, there are two buttons: "CANCEL" and "SAVE".

Figure 2. The Exclude from System-Generated Fact-Based Aggregates setting on the Create a Secondary Attribute Dialog.

Create a Secondary Attribute

DATASET

Select...

Data Handling and Formatting

- Exclude from System-Generated Dimension-Only Aggregates
Excludes this attribute from system generated dimension-only aggregates. Useful if the attribute contains a large number (e.g. millions) of distinct values that you don't want to aggregate.
- Exclude from System-Generated Fact-Based Aggregates
Excludes this attribute from system generated fact-based aggregates. Useful if the attribute contains a large number (e.g. millions) of distinct values that you don't want to aggregate.
- Contains Unique Names [?](#)
Enable if each member of this attribute has a unique name. This must NOT be enabled if two members have different keys but the same name.
- Use a custom value for unmatched fact records

CANCEL SAVE