Additive Metrics

Additive metrics are those whose values can be summarized for any dimension attribute of the model, and the results can be combined consistently.

For example, if adding how much was sold per state, you could calculate the total sales for California and the total sales for Texas independently, and add them together to get the total sales for both. You can compute the individual summarized results and combine them to get a new result.

Likewise with MIN and MAX, you can compare the total sales for California and Texas to determine which state had the highest or lowest sales.

The following aggregate calculations produce additive metrics in AtScale:

- SUM
- MIN
- MAX
- AVERAGE
- COUNT (non-distinct)
- DISTINCT COUNT (estimated only)

AtScale can create and manage smart aggregates for all additive metrics.