

Summary Calculations

Summary calculations are aggregate functions used for sub-totals and totals. Summary calculations can be set in the **Ad Hoc View Panel**.

- In the table views, each field can display a single summary calculation. It is automatically applied to all groups in the table. Summaries appear at the bottom of each group as well as the bottom of the view. When a new group is being added it will include a summary for each column.
- In the crosstabs, each measure will display a summarized value. They will determine the values of the Totals at the intersection of each row and column.
- In charts, the type of the chart shall determine whether the measures are summarized.

Default Summary Functions in Calculated Fields

Datatype	Default Summary Calculation	Description
Numeric	Sum	Display the sum of all values in the set.
Date	CountAll	Displays the total number of values in the set.
String	CountAll	Displays the number of values in the set.
Boolean	CountAll	Displays the number of values in the set.
Aggregate	AggregateFormula	Uses the aggregate formula as the summary.
Combined	None	The summary calculation is null.

Setting a measure's summary function in any type of view

Function	Meaning	Available for...
AggregateFormula	Uses the same aggregate formula as the summary	Aggregate
Average	Displays the average of all values in the set.	Numeric
CountAll	Displays the number of rows in the set.	Boolean, Date, Numeric, String
CountDistinct	Displays the number of unique values in the set.	Boolean, Date, Numeric, String
Custom	Allows you to enter an aggregate calculation for the summary.	Aggregate, Date, Numeric
Max	Displays the highest value in the set	Date, Numeric
Median	Displays the median value in the set	Date, Numeric
Min	Displays the minimum value in the set	Date, Numeric

Mode	Displays the value that occurs most frequently in the set.	Boolean, Date, Numeric, String
None	The aggregate function is null	Aggregate, Boolean, Date, Numeric, String
Range	Displays the difference between the minimum and maximum values of the set	Numeric
RangeDays	Displays the difference in days between the minimum and maximum values of the set	Date
RangeHours	Displays the difference in hours between the minimum and the maximum values of the set	DateTime
RangeMinutes	Displays the difference in minutes between the minimum and the maximum values of the set	DateTime
RangeMonths	Displays the difference in months between the minimum and the maximum values of the set	Date
RangeQuarters	Displays the difference in quarters between the minimum and maximum values of the set	Date
RangeSemis	Displays the difference in semi-annual periods between the minimum and maximum values of the set	Date
RangeWeeks	Displays the difference in weeks between the minimum and maximum values of the set	Date
RangeYears	Displays the difference in years between the minimum and maximum values of the set	Date
Aggregated Formula	Uses the aggregate formula used to define the calculated field as the summary function	Aggregate
StdDevP	Displays the standard deviation for the population of the set	Numeric
StdDevS	Displays the standard deviation on a sample for the set	Numeric
Sum	Displays the grand total for the set	Numeric
WeightedAverage	Displays the weighted average for the set based on a second numeric field or expression.	Numeric

Hints

- If you select a summary calculation other than the default one, that calculation is shown in parentheses after the field name in the fields picker.
- Create a custom Summary calculation for a field or measure.
- Remove summaries by setting the summary function to **None**.

- Only **AggregateFormula**, **Custom** or **None** are supported as summary calculations for aggregate functions.