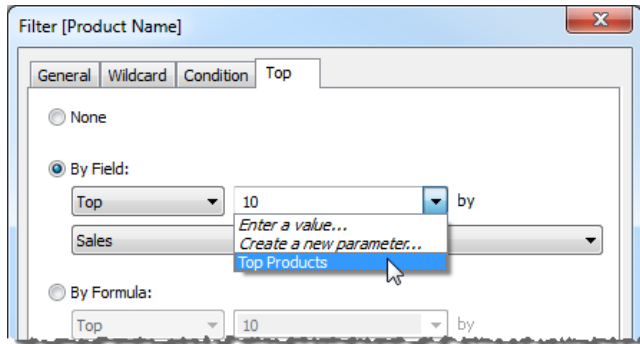


# Parameters

Parameters are user defined variables that can be used to create a dynamic visualization. For example, you can use a parameter in a calculated field rather than using a fixed value. You can also use parameters in Top N and conditional filters, numeric bins, and reference lines.

## 1 Use a Parameter in a Filter

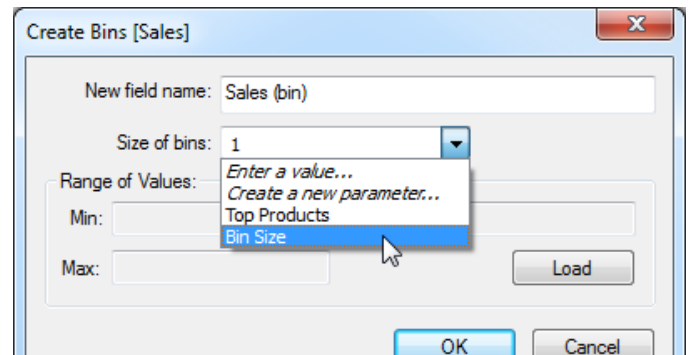
Open the Filter dialog box. Select the Top N or Condition tab. Modify the formula to use the a parameter instead of a fixed value.



You can also create a parameter directly from the Filter dialog box by selecting **Create a new parameter**.

## 2 Use a Parameter in Binned Measures

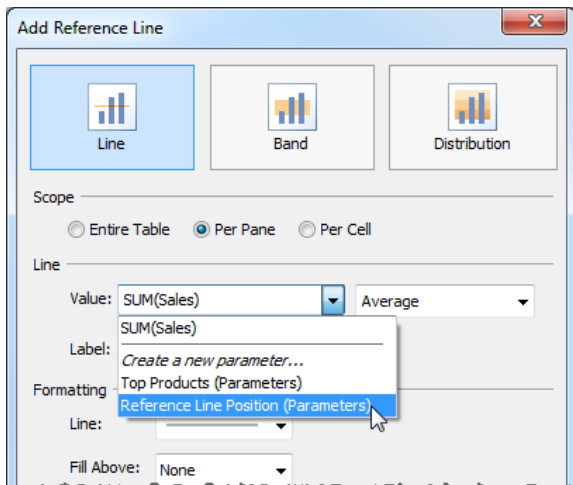
Create a parameter that defines the bin size. Then right-click a measure in the Data window and select **Create Bins**. Select the parameter in the **Size of bins** drop-down list instead of typing a fixed size.



A binned measure separates the values into distinct ranges (e.g., 10-20, 21-30, 31-40, etc.). Parameters allows you to dynamically change the size of each bin.

## 3 Use a Parameter in Reference Line

Right-click an axis and select **Add Reference Line**. In the subsequent dialog box, define the reference line. Instead of computing the line based on a measure, create a parameter to define where to draw the reference line.



## 4 Show and Hide the Parameter Control

You must show the parameter control to allow others to input a new parameter value. Show the control by right-clicking the parameter in the Data window and selecting **Show Parameter Control**. You can hide the control with the same command.

