

Small Multiples and Bullet Graphs.

Sleeper Ch. 25, 26

Small multiples are a **group** of charts or graphs **that share the same axes and scales**, which allows the user to compare trends across dimensions in a single view.

Small Multiples

Create a Bar Chart:

- Columns: **Region**
- Rows: **Segment**, **Sum(Sales)**

Add **Month(Order Date)** to the Columns shelf.

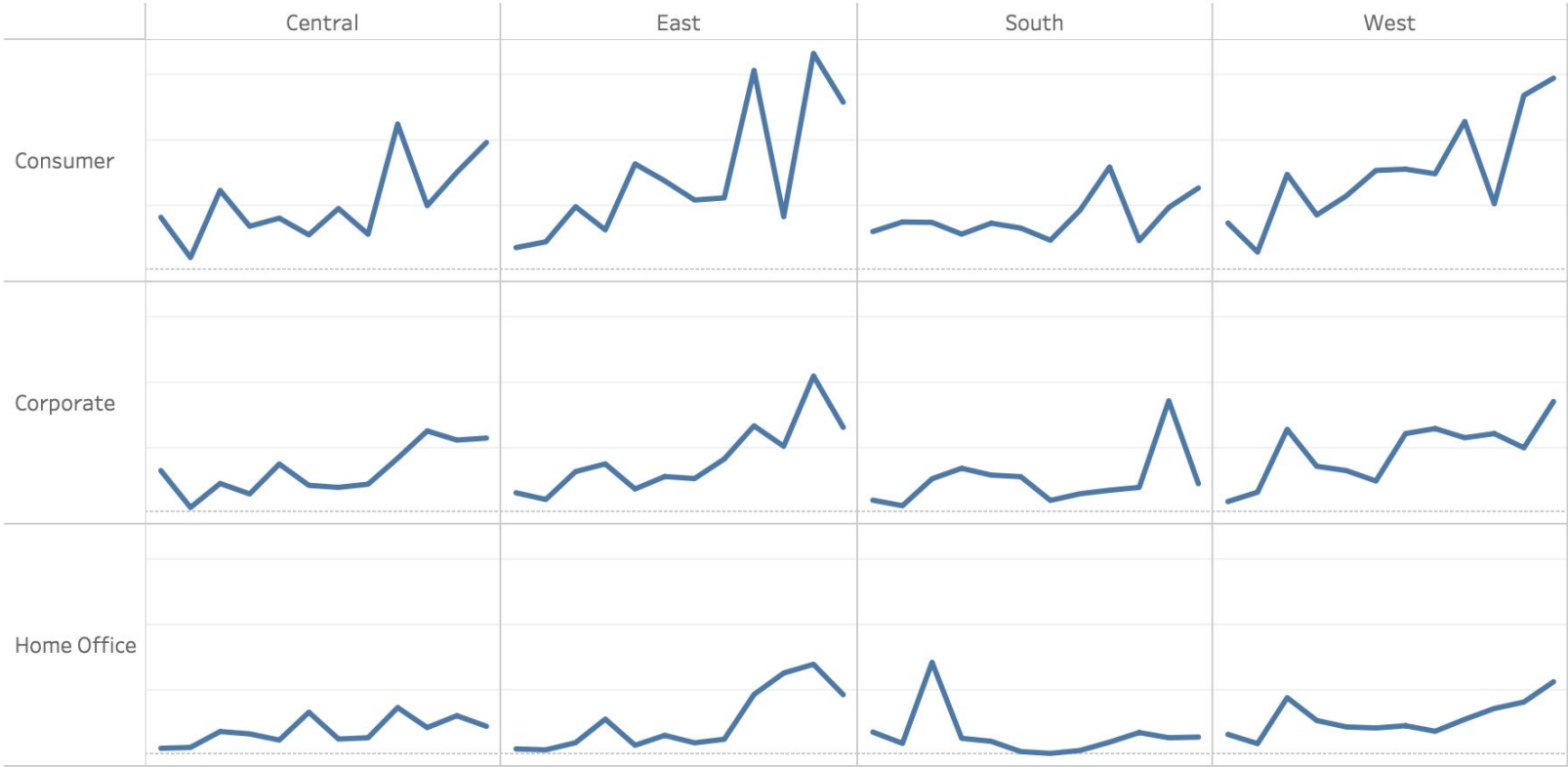
Add Formatting Changes:

Hide the label **Region** / **Order Date** by right-clicking it > **Hide Field Labels for Columns**.

Hide the label **Segment** by right-clicking it > **Hide Field Labels for Rows**.

Hide x and y axis by right-clicking them > Uncheck **Show Header**

Small Multiples



The trend of sum of Sales for Order Date Month broken down by Region vs. Segment.

Bullet graphs improve on the bar chart by providing additional points of comparison.

For example, in addition to showing a bar for widget sales, a bullet graph would also include a point of comparison that shows either **last year's sales** or a **target sales amount**.

A Bullet Graph

Start by creating two calculated fields: **This Year's Sales** and **Last Year's Sales**:

- Right-click **Sales** > **Create...** > **Calculated Field**

×

IF Year([Order Date]) = 2020 THEN [Sales] END

×

IF Year([Order Date]) = 2019 THEN [Sales] END

A Bullet Graph (cont.)

Build the bar chart:

- Columns: `Sum(This Year's Sales)`
- Rows: `Sub-Category`

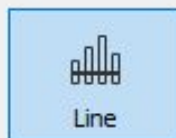
Drag **Last Year's Sales** to the **Detail** Marks Card.

Create the first of the two reference lines:

- Right-click x-axis > **Add Reference Line** > See the screenshot on the next page

To understand the reference line scope: [Interworks article](#)

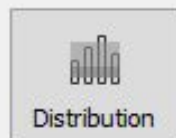
Edit Reference Line, Band, or Box



Line



Band



Distribution



Box Plot

Scope

☐ Entire Table ☐ Per Pane ☒ Per Cell

Line

Value:

Label:

Formatting

Line:

Fill Above:

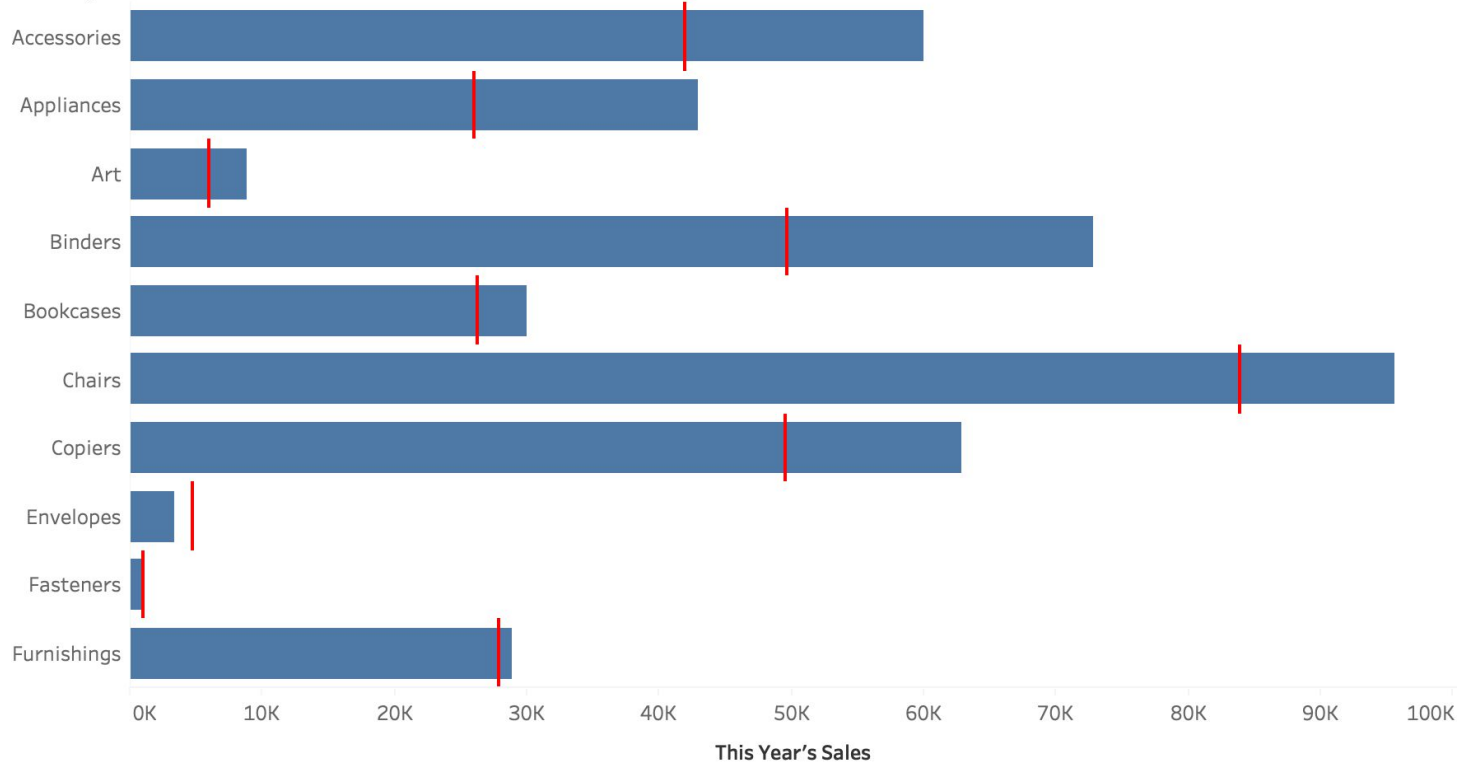
Fill Below:

☒ Show recalculated line for highlighted or selected data points

OK

A Bullet Graph

Sub-Catego..




Sum of This Year's Sales for each Sub-Category. The view is filtered on Sub-Category, which keeps 10 of 17 members.


A Bullet Graph (cont.)


Add a second reference line. This time it will be a distribution:


- Right-click x-axis > **Add Reference Line** > see the screenshot on the next page

Edit Reference Line, Band, or Box


Line


Band


Distribution


Box Plot

Scope

☐ Entire Table ☐ Per Pane ☒ Per Cell

Computation

Value:

Label:

Formatting

Line:

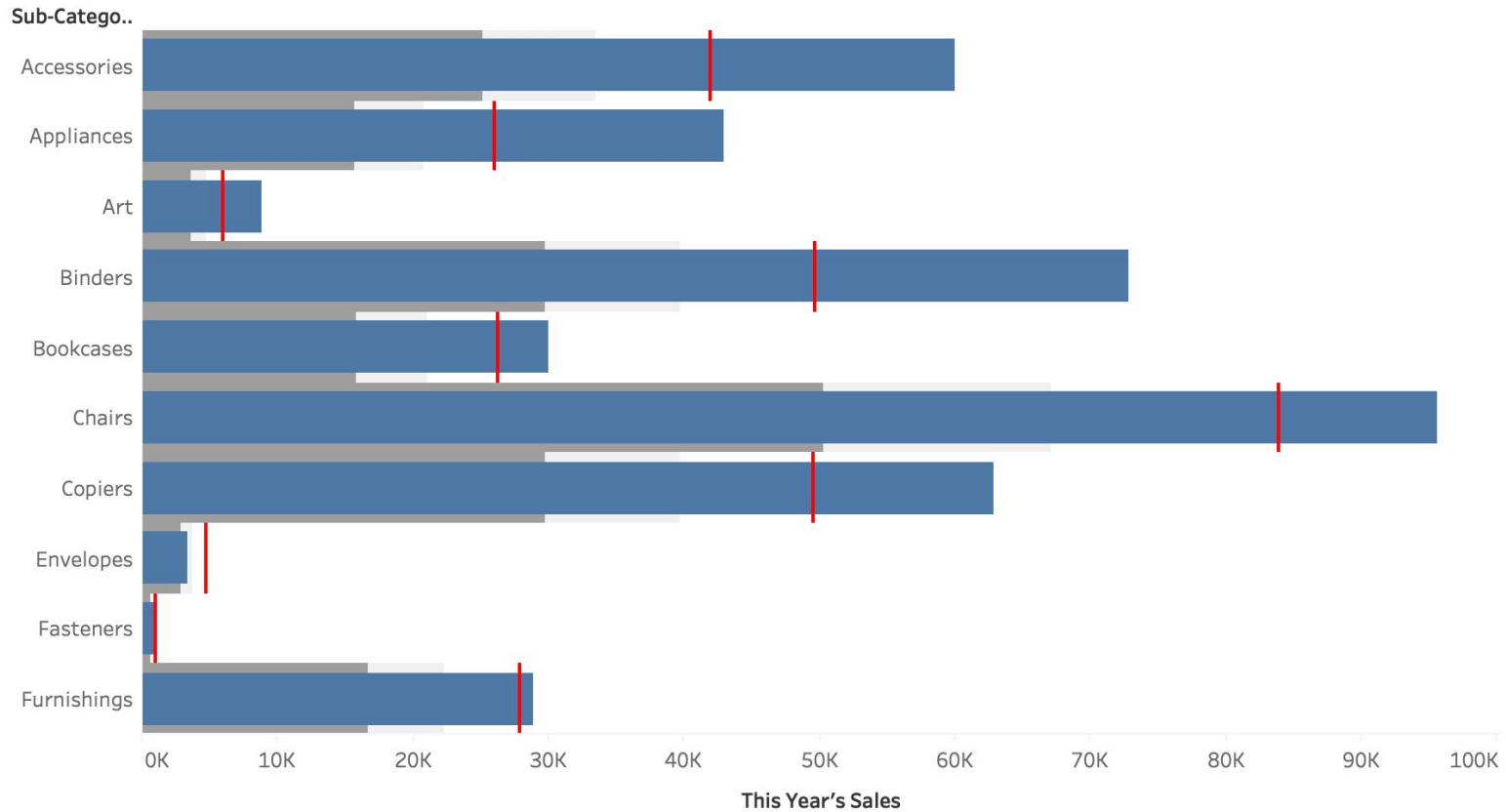
Fill:

☐ Fill Above
☒ Fill Below
☐ Symmetric
☐ Reverse

☒ Show recalculated band for highlighted or selected data points

OK

A Bullet Graph



Sum of This Year's Sales for each Sub-Category. The view is filtered on Sub-Category, which keeps 10 of 17 members.