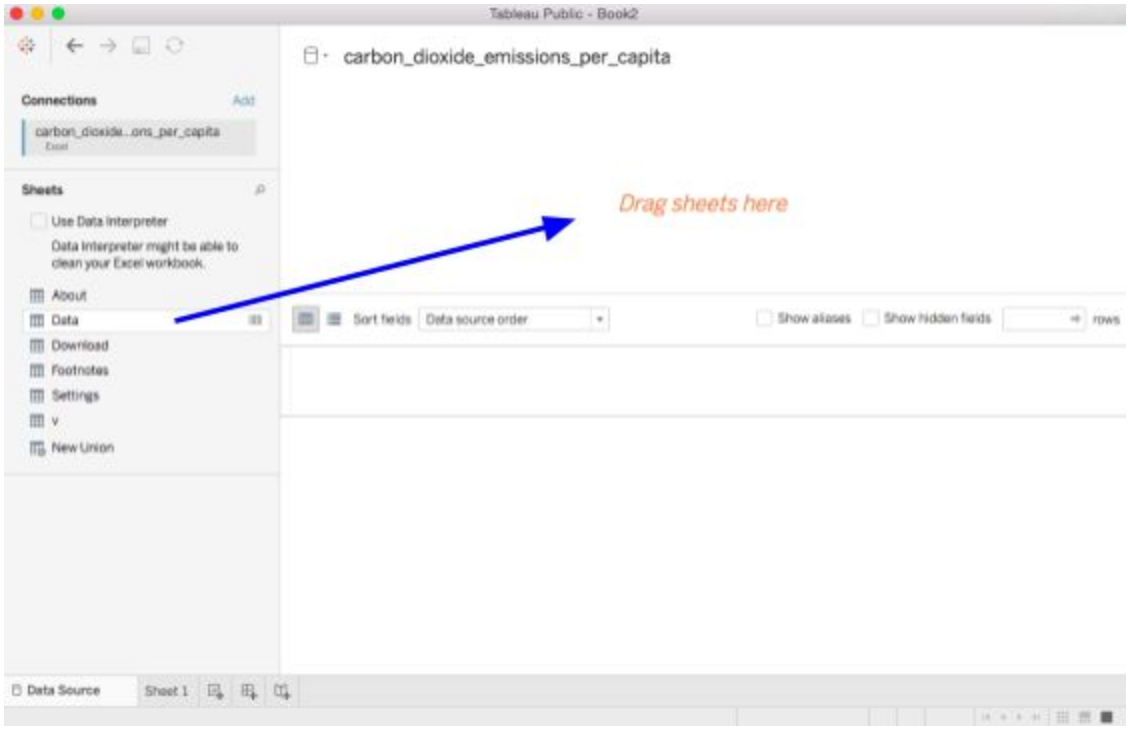
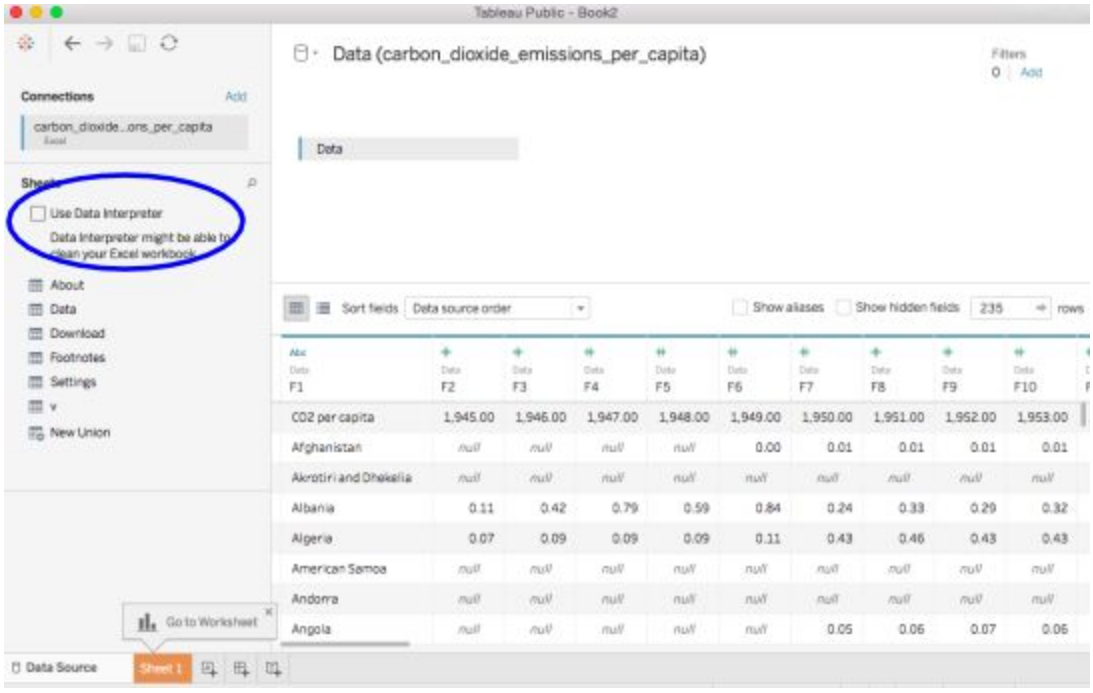
Teaching with Tableau Instructions

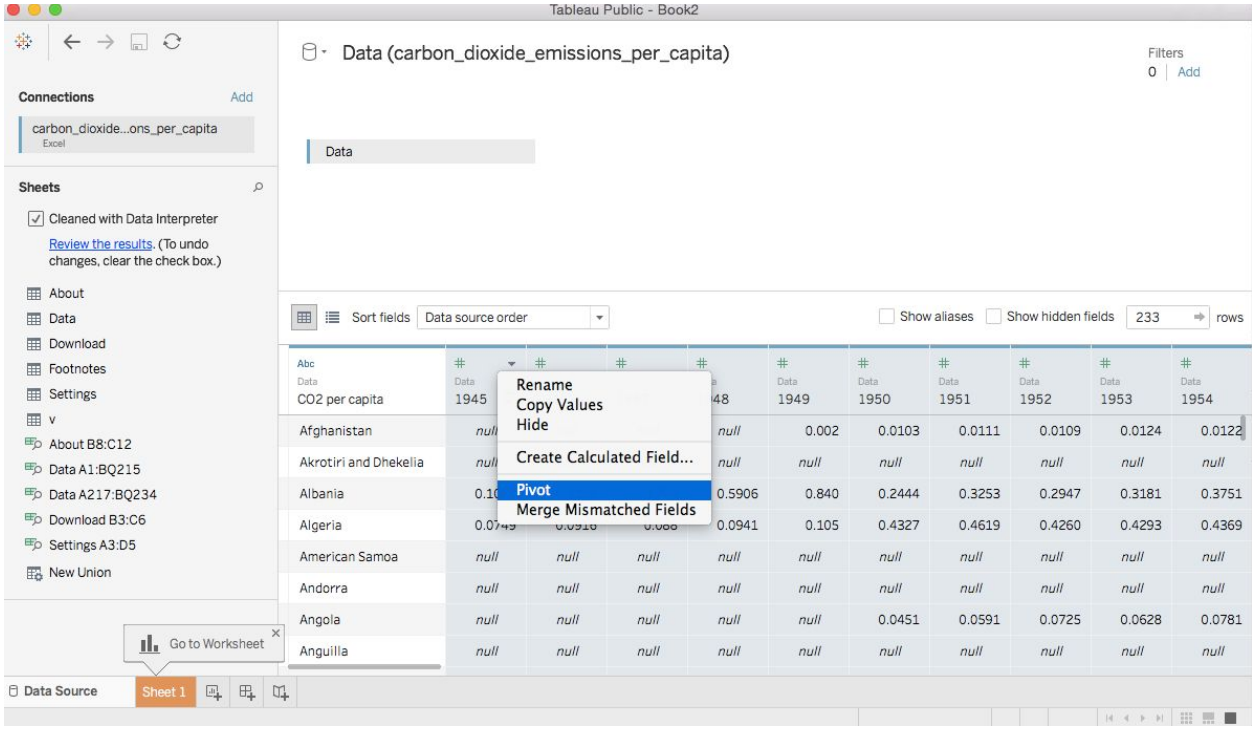
Connect to the data: carbon_dioxide_emissions_per_capita.xls
Drag Data sheet to “Drag sheets here” region



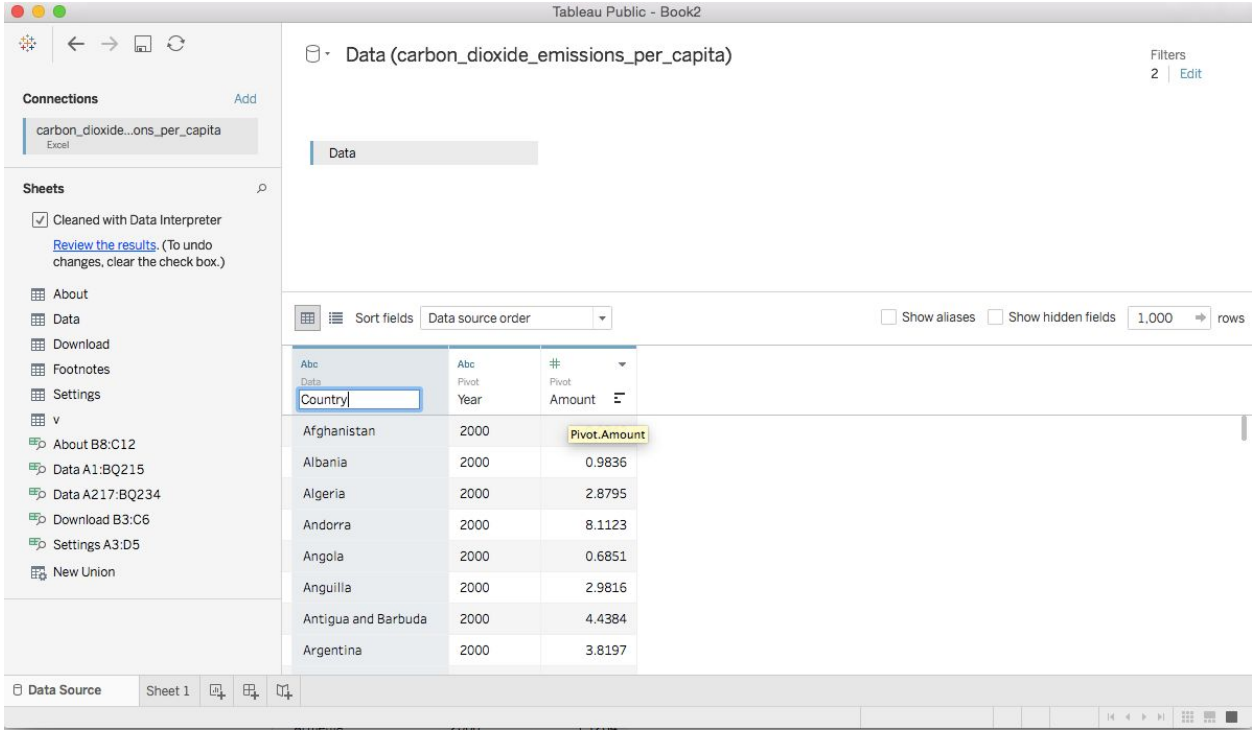
Select “Use Data Interpreter”



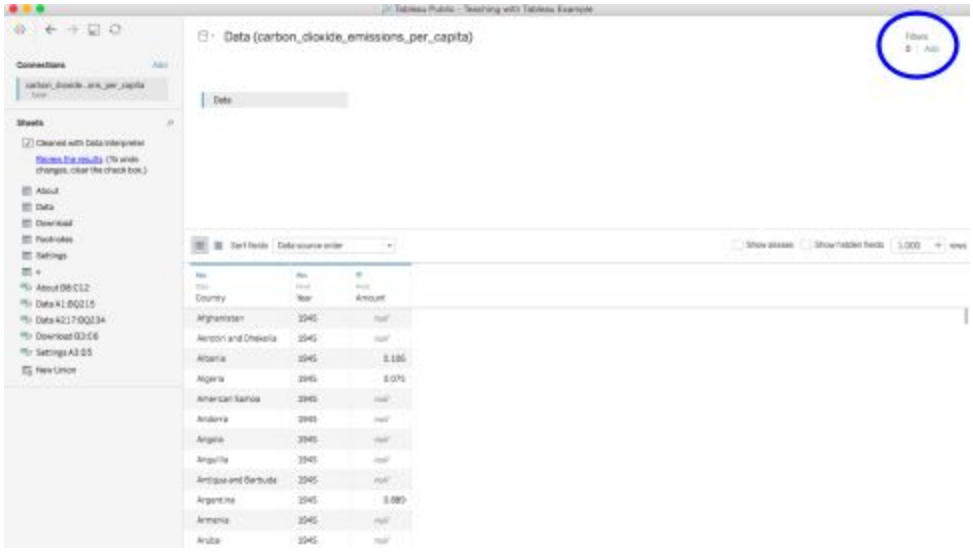
Pivot the Years columns. Select all Years columns. Hold down Shift to select multiple columns. CTRL-Click (Right click) and select Pivot. Pivoting data makes it easier to work with.



Rename columns to Country, Year, and Amount

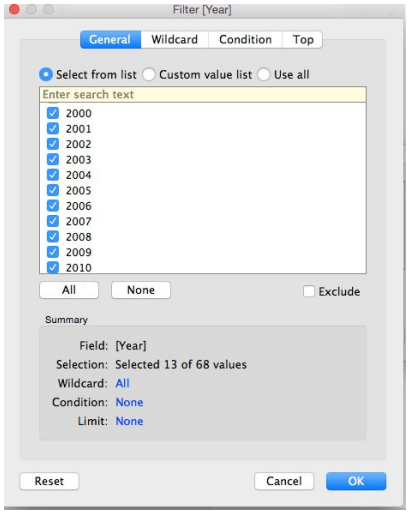


Click Add under Filters to add data filters.

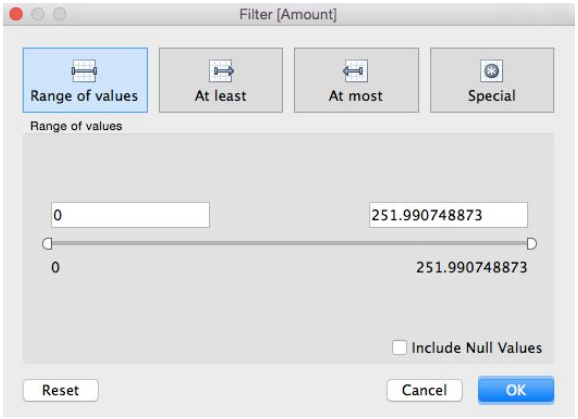


Select Year from menu

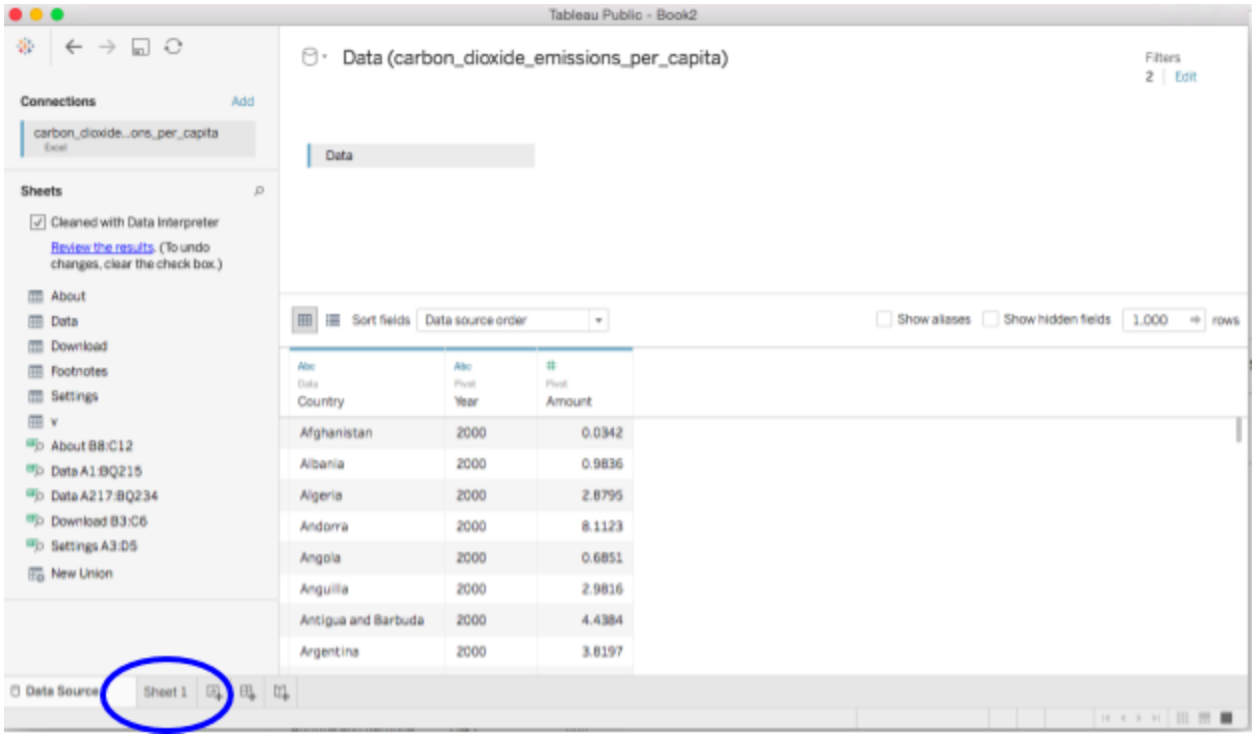
Check the boxes for only the years in the 2000s. Click OK.



Add a new filter based on Amount. Leave as-is. Make sure “Include Null Values” is unchecked. This will filter out all Null values.



Go to Sheet 1 by clicking on Sheet 1 button at the bottom of the screen



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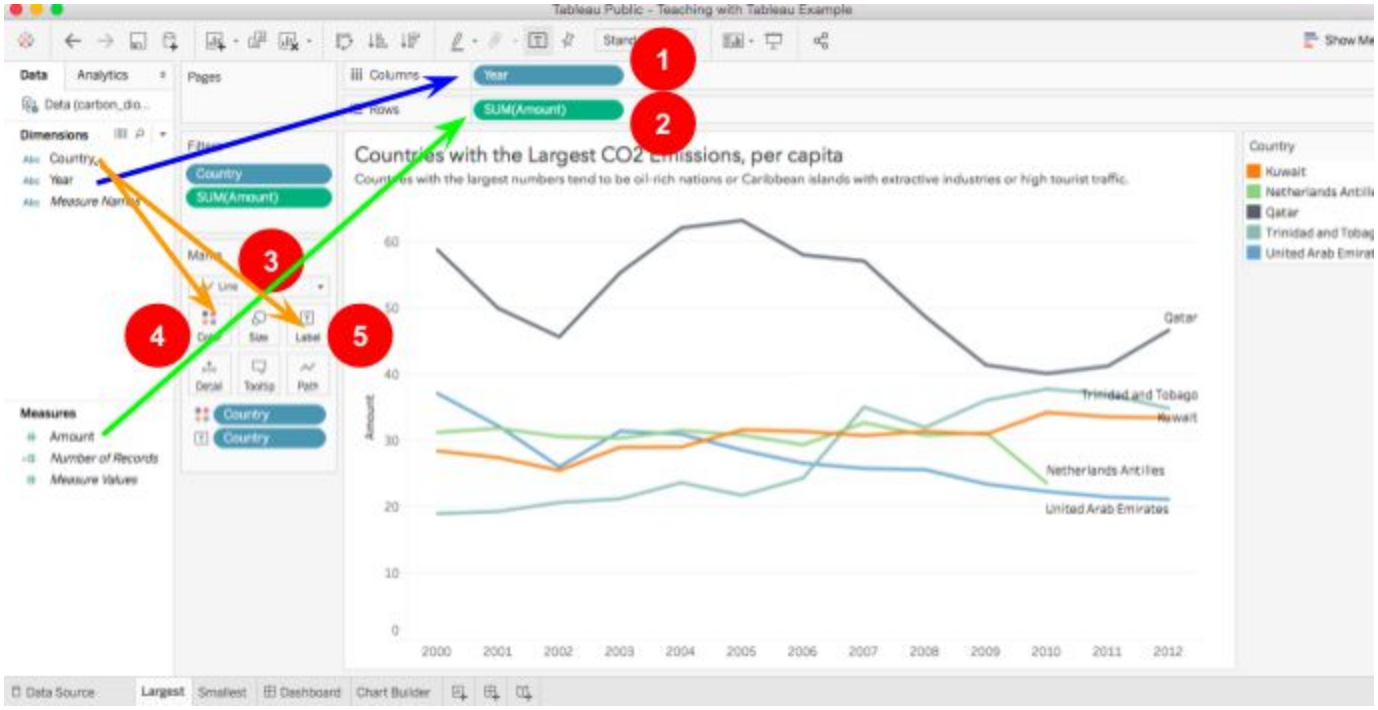
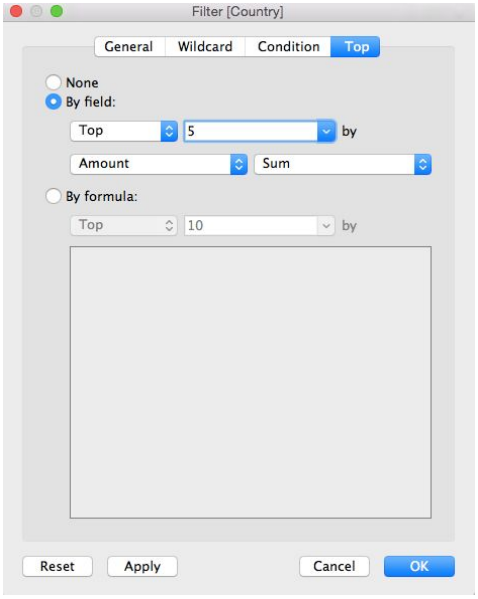
Create a chart showing the 5 countries with the highest CO2 emissions per capita



1. Drag Year to Columns (This is your X-axis)
2. Drag Amount to Rows (This is your Y-axis)
3. Change chart style to Line
4. Drag Country to Color. Select **Filter then Add**
5. In Filter menu, select Top **5** by **Amount Sum**



6. Drag Country to Label. To edit labels, click Label button and select preferences.

CHALLENGE: Now repeat the steps on this page, only create a new chart for the **5 lowest carbon-emitting countries per capita**.

Create an interactive chart for users to select their own countries to compare.

Helpful hints:
Step 3: Drag Country to Filter. No countries should be selected. Click OK. Now, click the blue pill dropdown arrow. Select Show Filter.

Step 7: Click on arrow dropdown for the Country filter and select **Multiple Values (dropdown)**

Style guidelines

- Choose colors that are easy to differentiate when comparing categories.
- Select non-default fonts for readability. Consider using sans-serif for small text.
- Label or annotate data points you most want viewers to see

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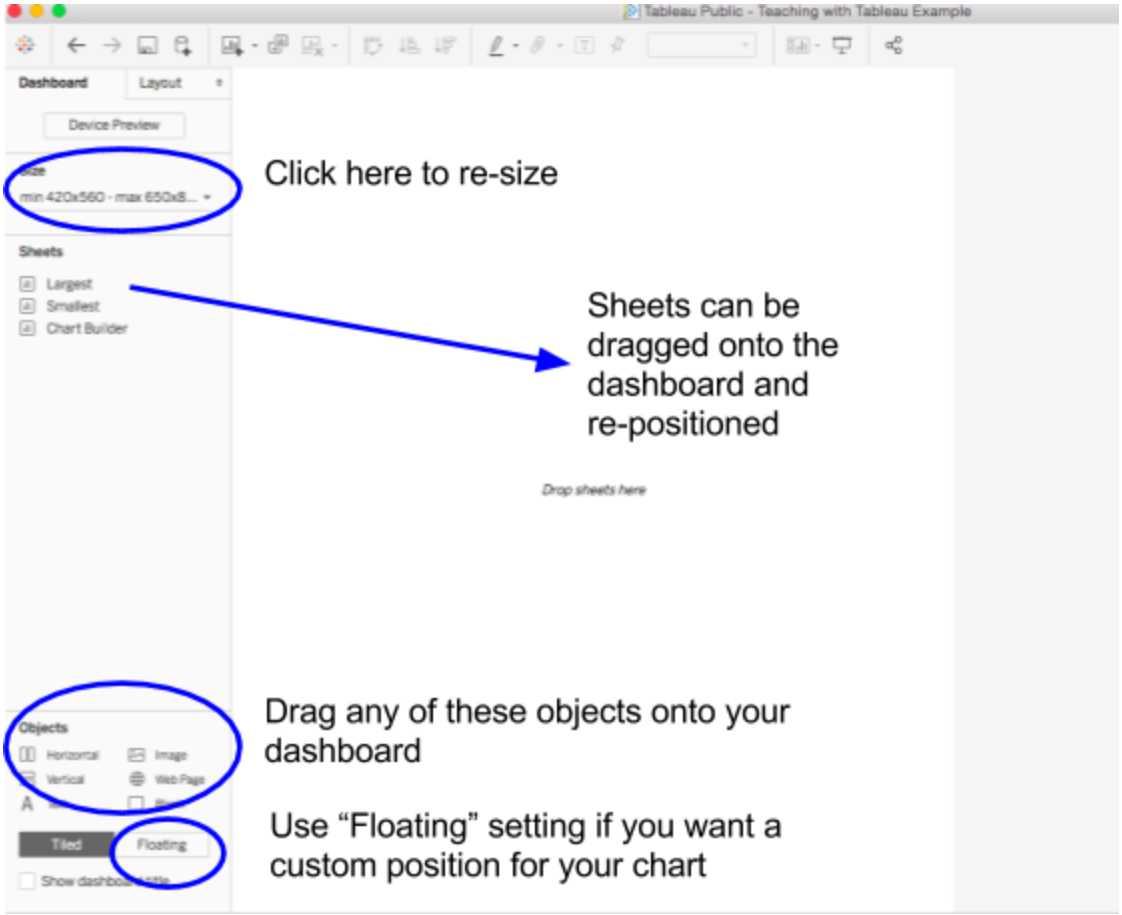
Bring all charts together in a dashboard. 



Example: