

Tableau - Scatter Plot

As the name suggests, a scatter plot shows many points scattered in the Cartesian plane. It is created by plotting values of numerical variables as X and Y coordinates in the Cartesian plane. Tableau takes at least one measure in the Rows shelf and one measure in the Columns shelf to create a scatter plot. However, we can add dimension fields to the scatter plot which play a role in marking different colors for the already existing points in the scatter graph.

Simple Scatter Plot

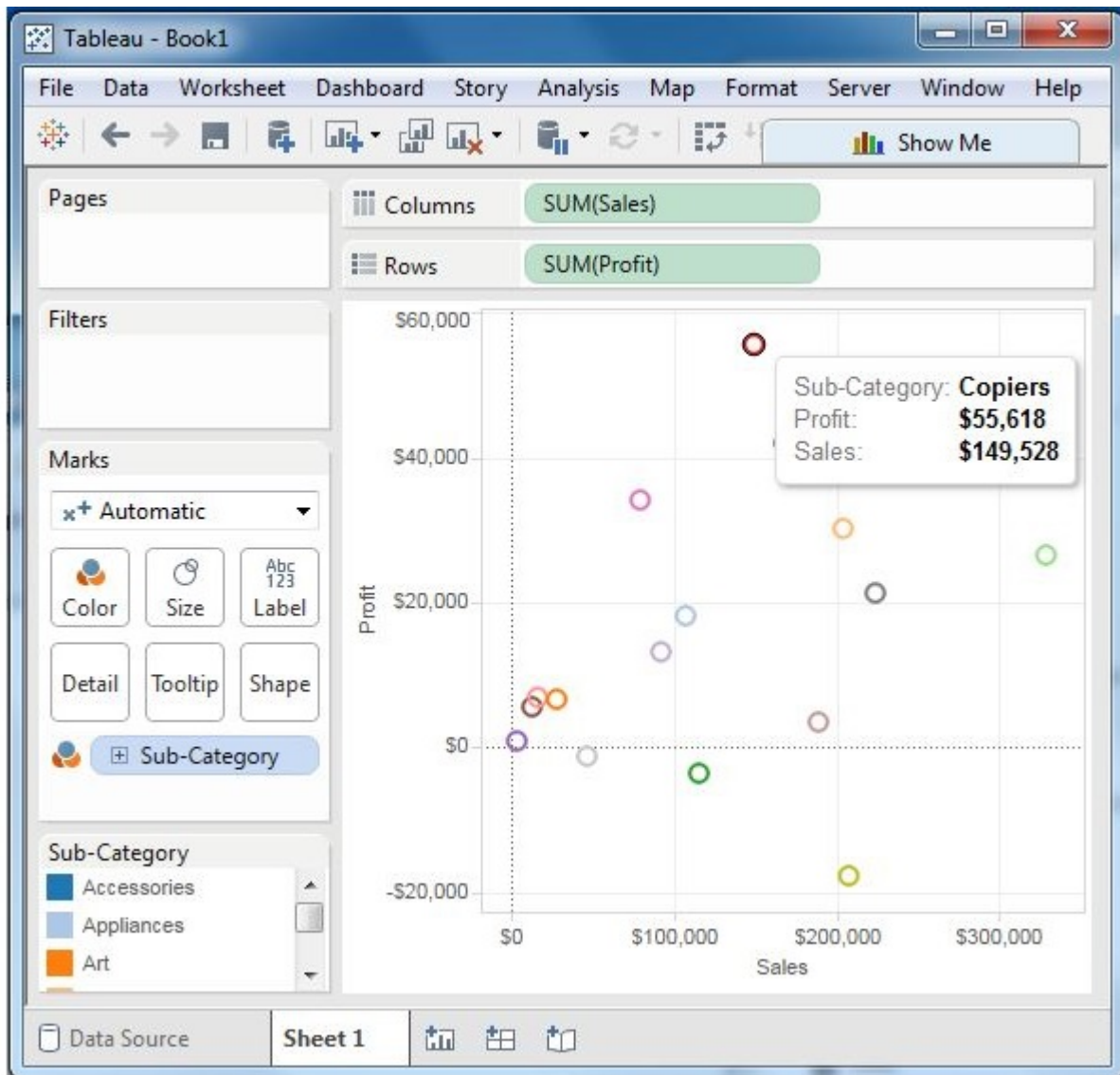
Using the Sample-superstore, let's aim to find the variation of sales and profit figures as the two axes of the Cartesian plane is distributed according to their Sub-Category. To achieve this objective, following are the steps.

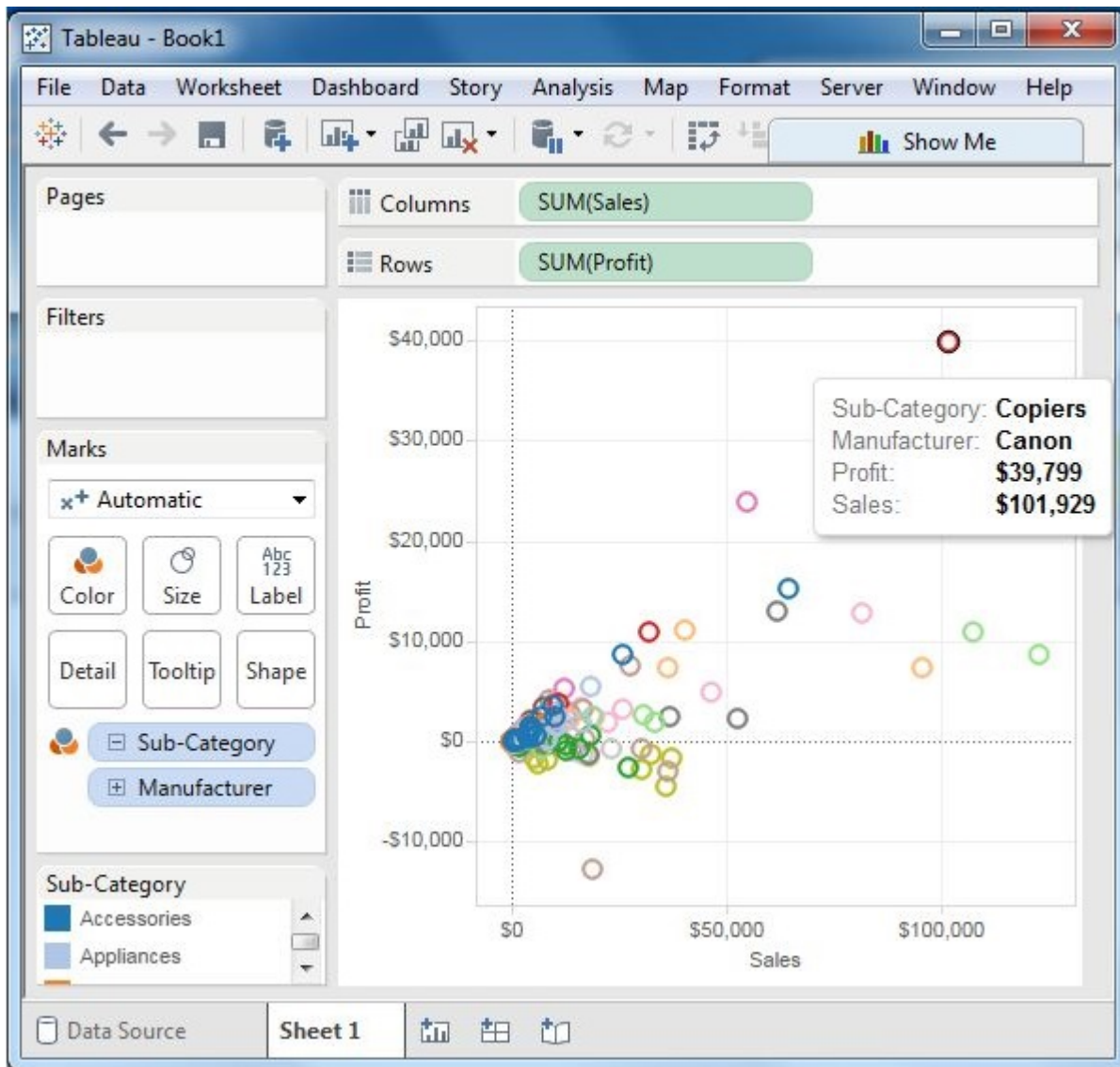
Step 1 – Drag and drop the measure Sales to the Columns shelf.

Step 2 – Drag and drop the measure Profit to the Rows shelf.

Step 3 – Pull the dimension Sub-Category to the labels Shelf under Marks.

The following chart appears which shows how profit and sales is distributed across the Sub-Category of products.





Drill-Down Scatter Plot

The same scatter plot can show different values when you choose a dimension with hierarchy. In the following example, we expand the Sub-Category field to show the scatter plot values for the Manufacturers.

