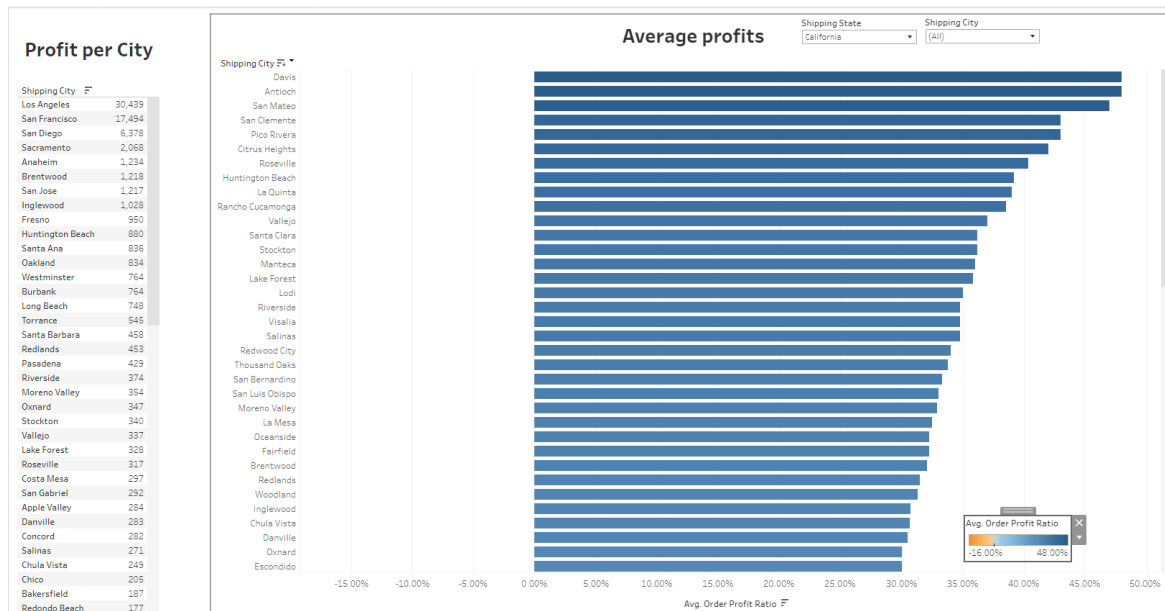# PROFITS FOR MANUFACTURING COMPANY

Data Story

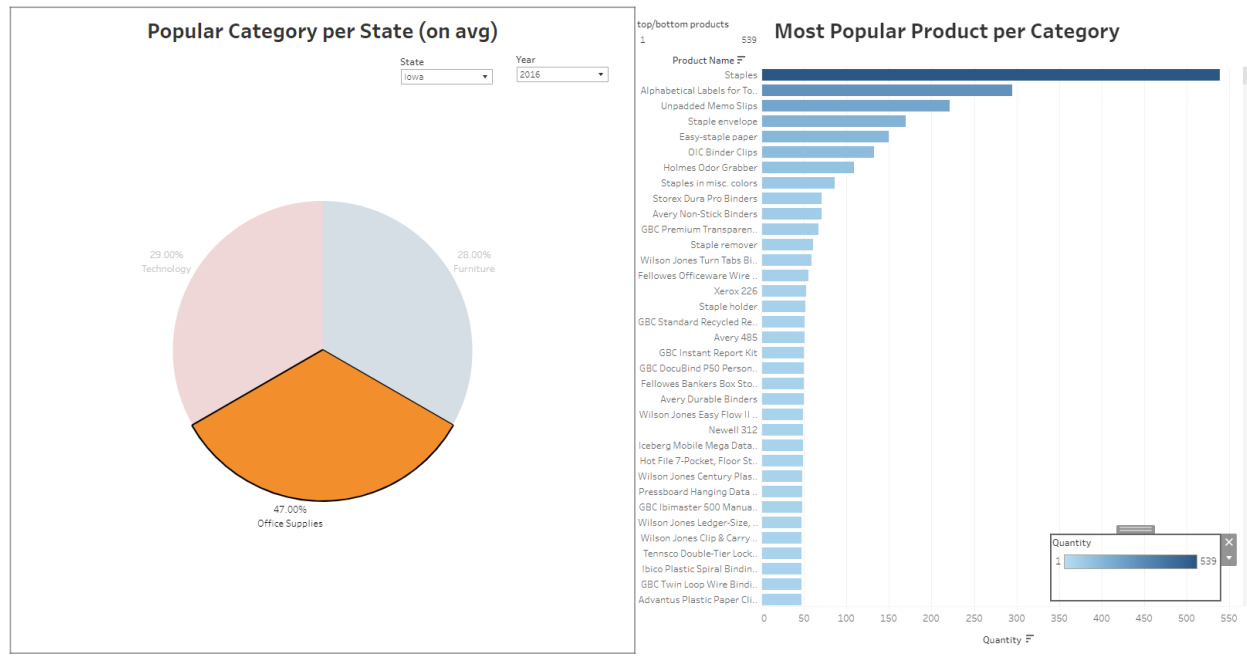## 1. What is the most profitable city in California and what is its average profit?

Summary: The question could have been for any of the US States. However, in order to narrow down the result, I chose California.

Other charts would have probably looked better with maps or pie charts but for bigger states, I could only think of a list and a barchart. Both charts respond to each other and both filters affect both charts. The user can also choose and compare several cities as once to compare how they compare on the bar chart.

The most profitable City in California is Los Angeles and its average profit is a little below 28% (27.35%).

Resources: n/a

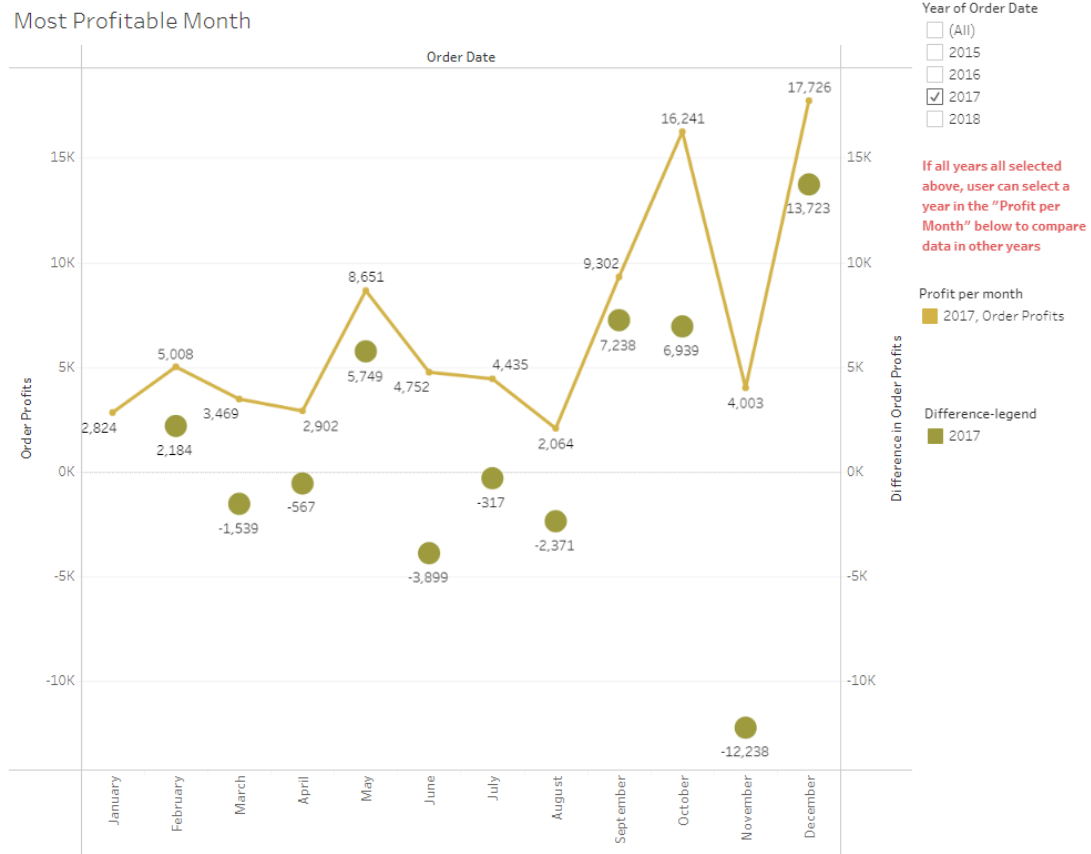# 2. Popular product and category per State per year

Summary: To answer this question, I chose Iowa and 2016. Again, the question could apply to any State or and any year.

The State and year filters affect the pie chart which shows the average category per State. The user will be able to determine at a glance the most popular category. Upon determining the category, the user can click on that category. This will then affect the bar chart on the right to list the products with the highest quantity down.

The most popular category in Iowa in 2016 is *Office Supplies* and the most popular product in this category is *Staple*.

Resources: n/a

3. Most profitable month and month over month difference in 2017

Summary: This is for one dashboard that can be filtered by year. If for any reason the user wants to see all the information for all the years, they can. They can also click on any year under "profit per month" to see how the data for that particular year compares with the rest of the data.

The most profitable month of 2017 is December at $13,726 and the amount compared to the previous month is a profit of $6,939.

Resources: n/a