

Making Decisions with Visual Data

Part 1.1 Visualizing Categorical Data

Taylor Weidman

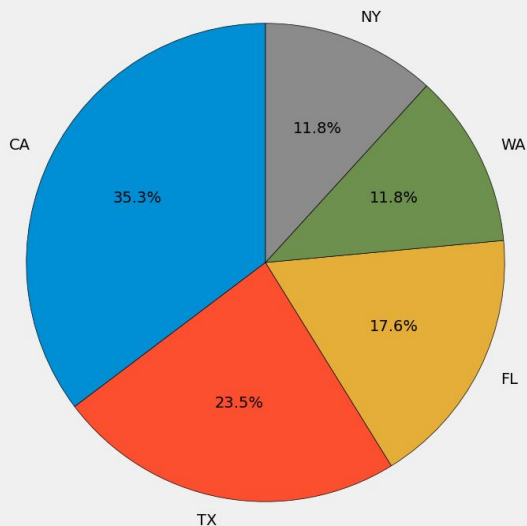
Categorical Variables: Coffee Shop Locations by State

Q. Which state has the most locations?

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Pie Graph



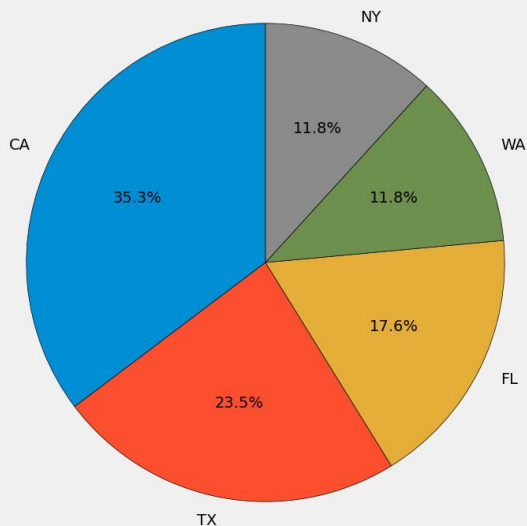
Bar Graph



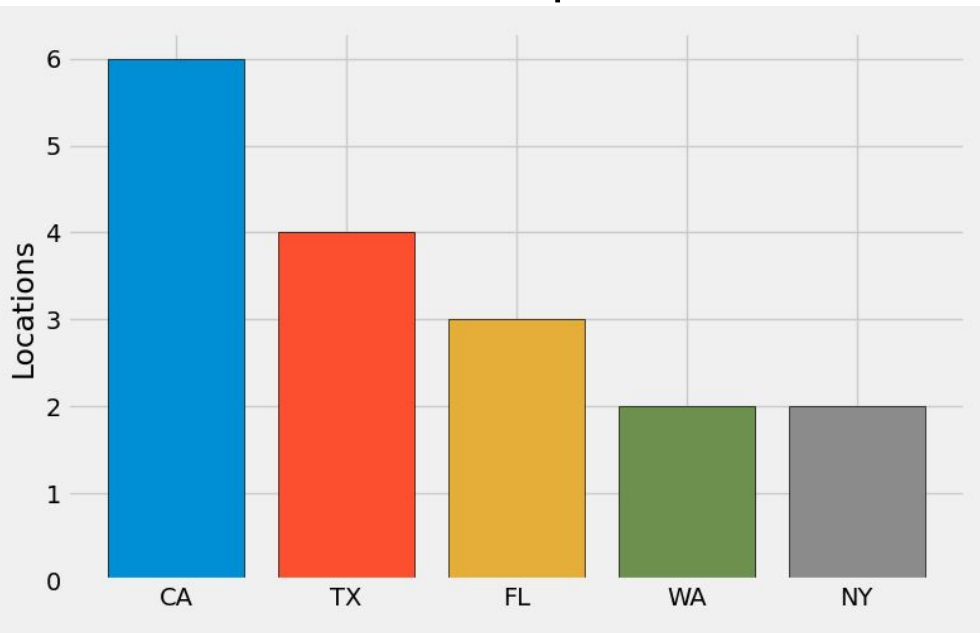
Categorical Variables: Coffee Shop Locations by State

Q. Does Florida (FL) or Washington (WA) have more locations?

Pie Graph



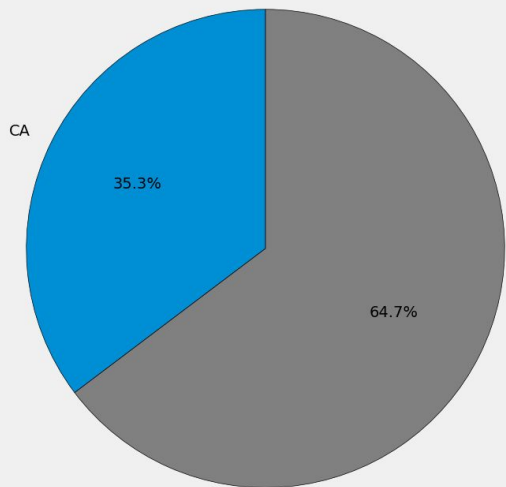
Bar Graph



Categorical Variables: Coffee Shop Locations by State

Q. What share of coffee shop locations in CA?

Pie Graph



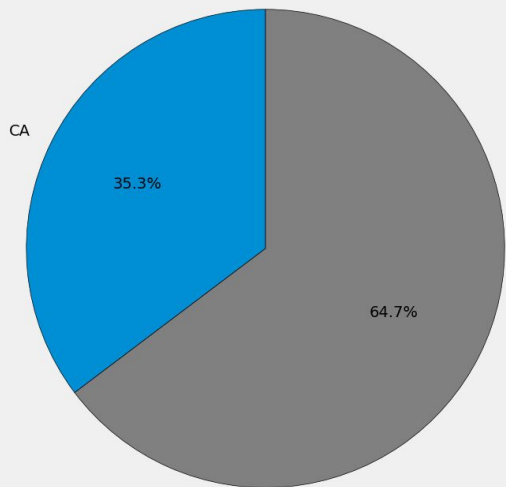
Bar Graph



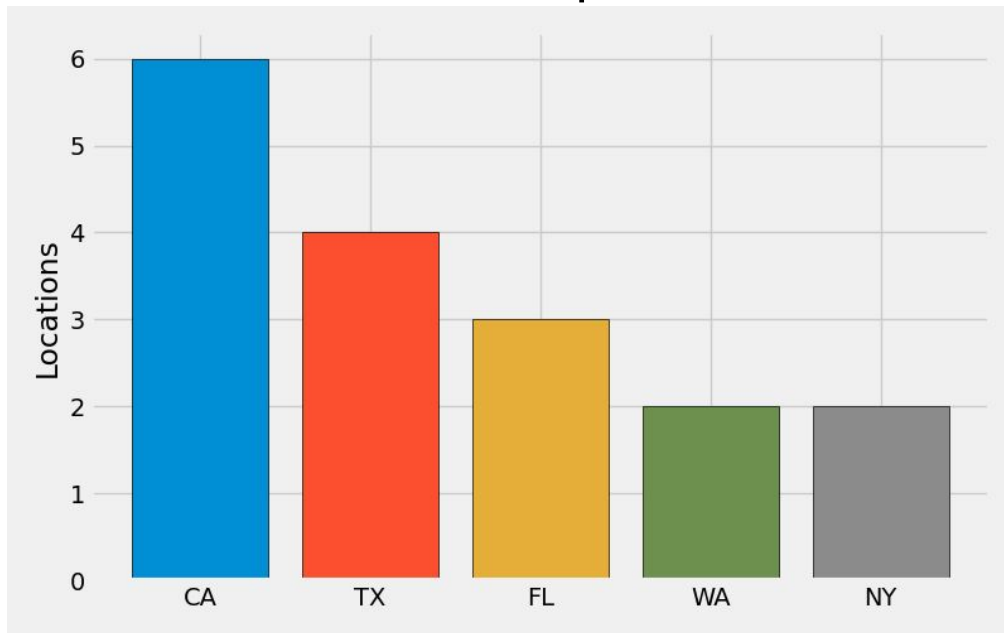
Categorical Variables: Coffee Shop Locations by State

- Use bar graphs to compare values with each other.
- Use pie graphs to compare one value against the total.

Pie Graph



Bar Graph



Excel Exercise: Categorical Variables

We're going to examine the locations of coffee shops by State.

- Data: Coffee_Shops.csv
- Bar Graph
- Pie Graph