

Economic Data Analysis

Part 1.1 | Categorical Variables

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Example 1.1 | Coffee Shops by State

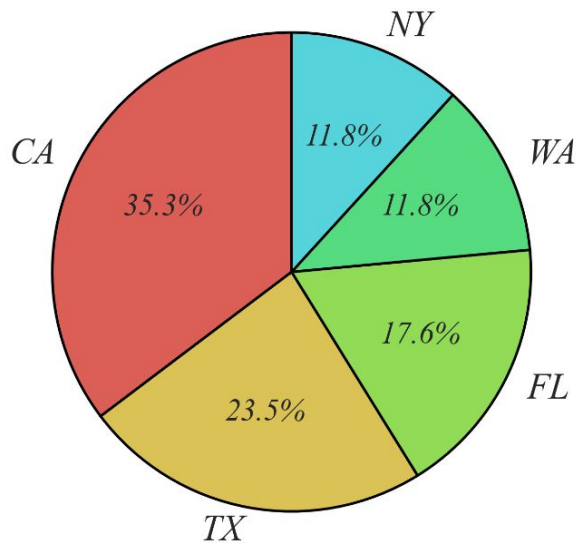
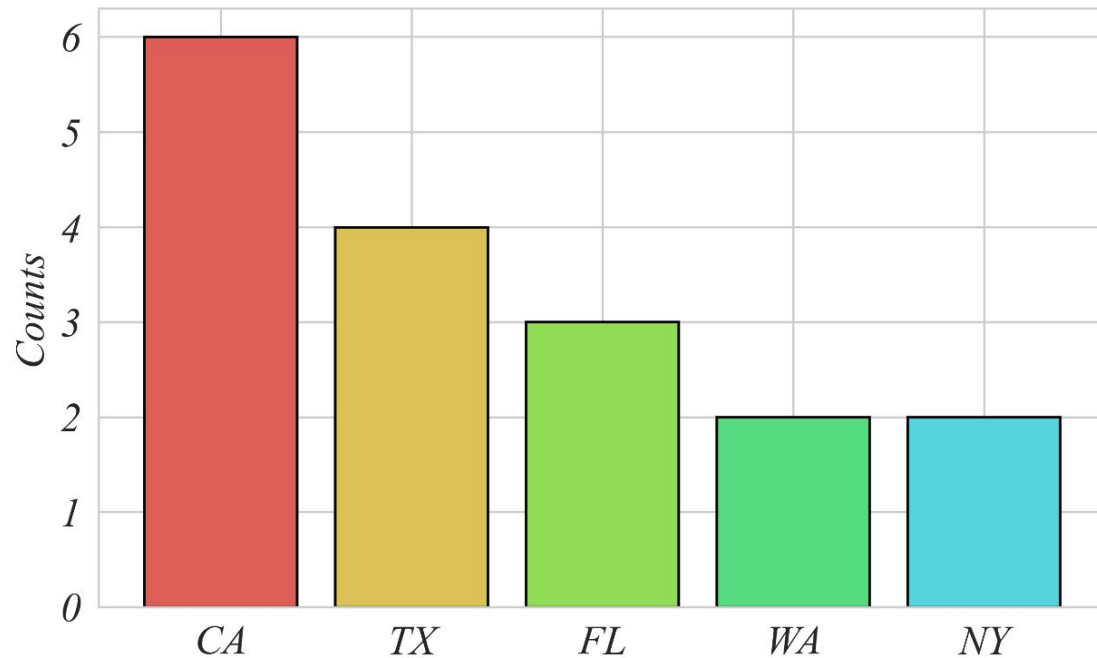
*Summarize the locations of coffee shops in
Part_1_1_Coffee_Shops.csv*

Categorical Variables: Coffee Shop Locations by State

Q. Which state has the most locations?

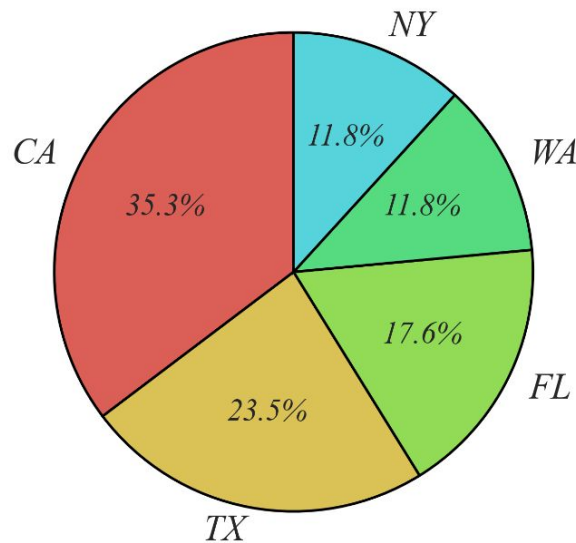
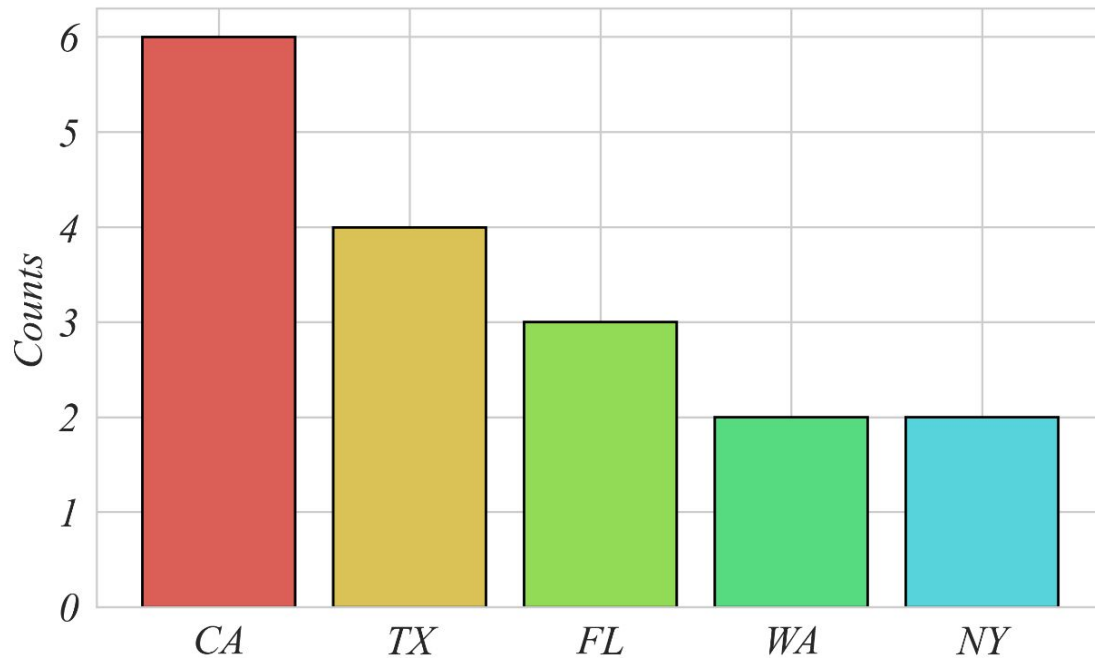
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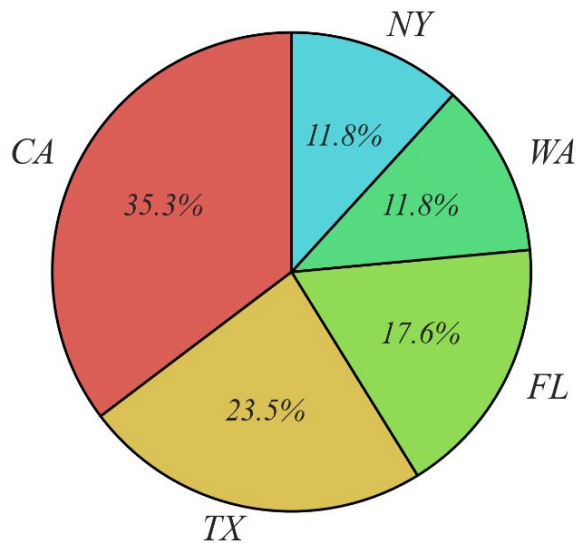
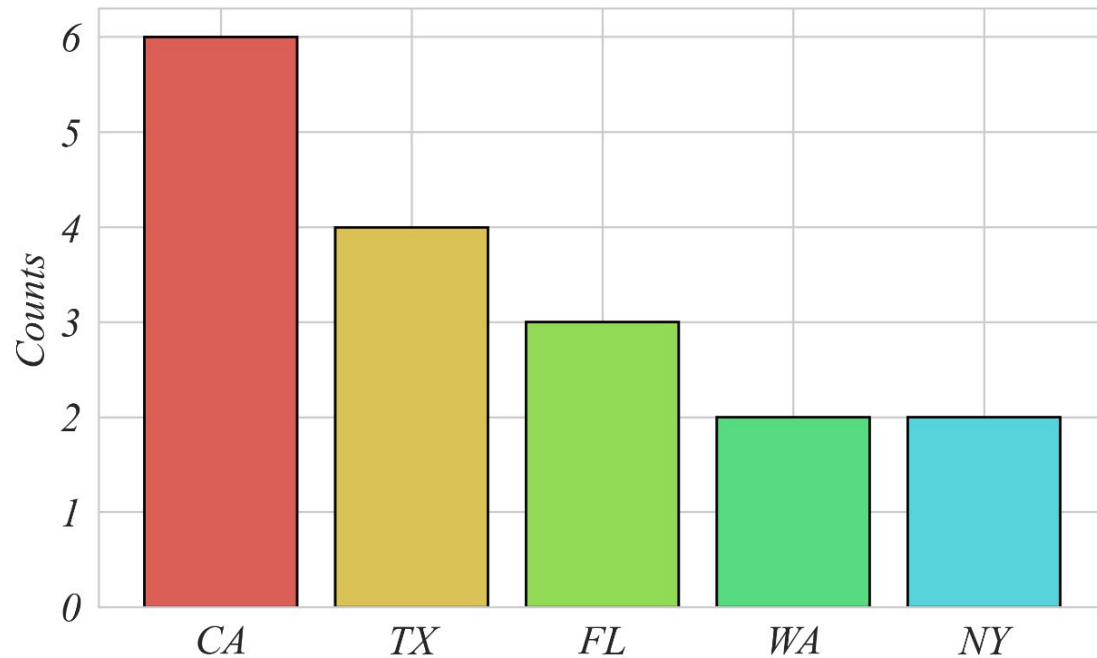
Q. Which state has the most locations?



Both graphs work, but bar graphs are easier to read.

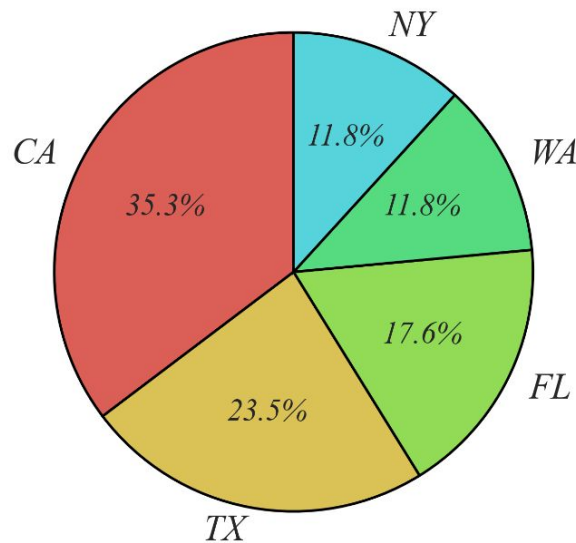
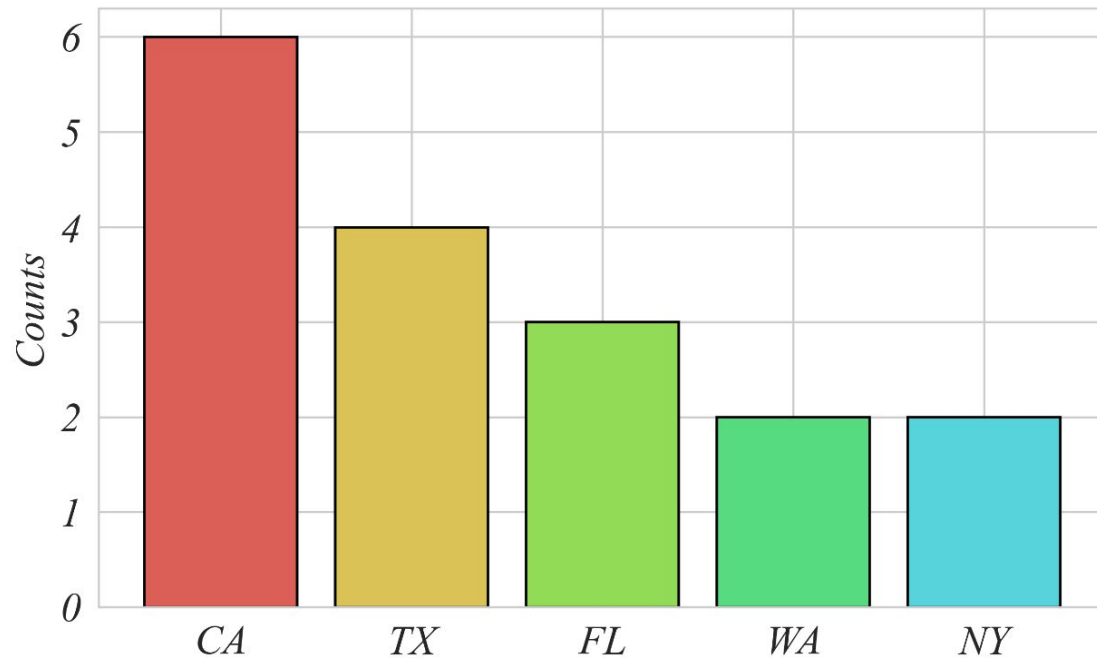
Categorical Variables: Coffee Shop Locations by State

Q. Does FL or WA have more locations?



Categorical Variables: Coffee Shop Locations by State

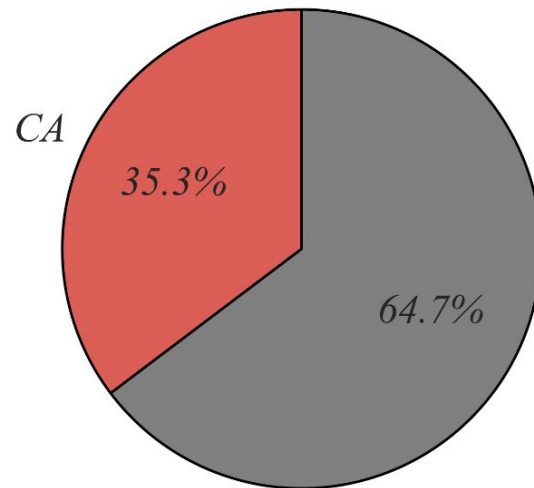
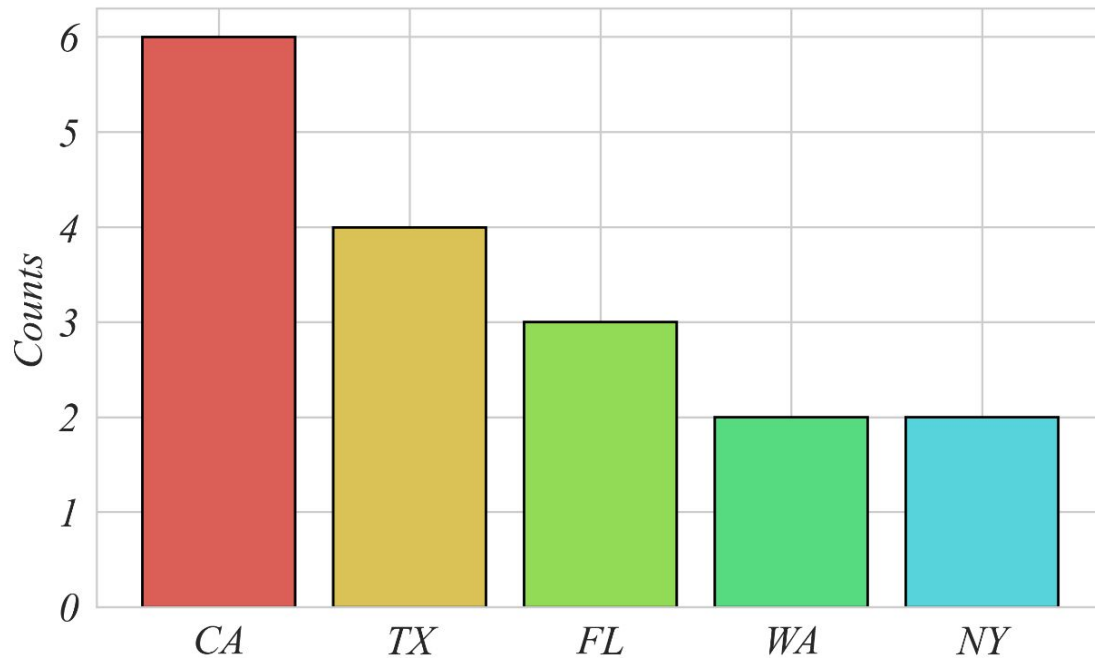
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Bar graphs make it especially easy to compare between categories.

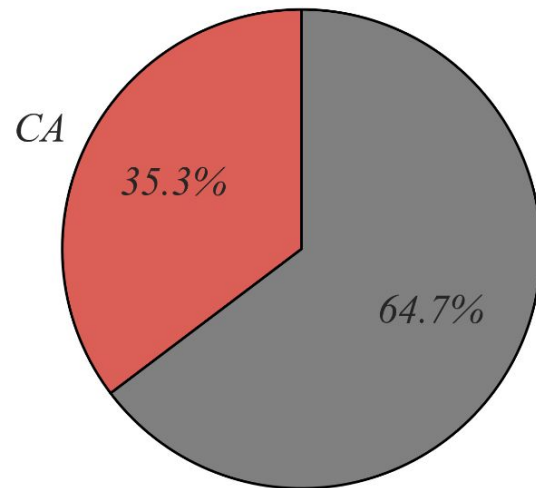
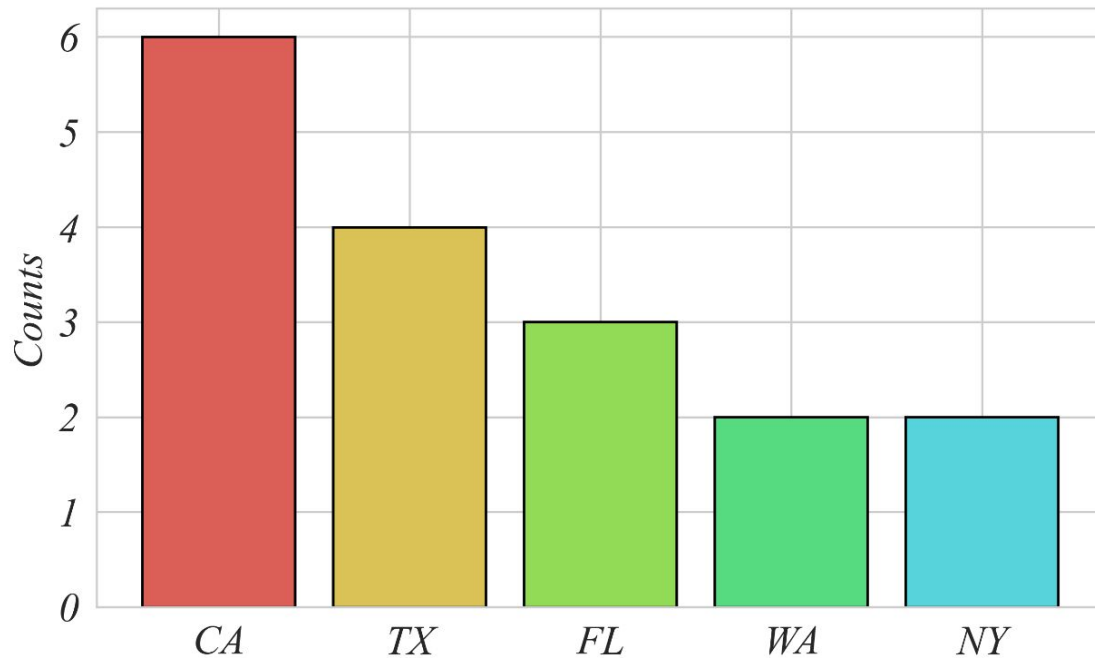
Categorical Variables: Coffee Shop Locations by State

Q. What share of coffee shops are located in CA?



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Pie graphs can be used (with caution) for binary categorical variables.

Categorical Variables

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

