

# ORDER DATA

## INTRODUCTION:

Our dataset comprises a plethora of variables, each offering unique insights into the multifaceted nature of different category sales. From fundamental transactional details such as Date, Time, sales, states to more nuanced factors like Customer Type, Demographics, category and sub category, every facet has been meticulously documented.

### Key Attributes:

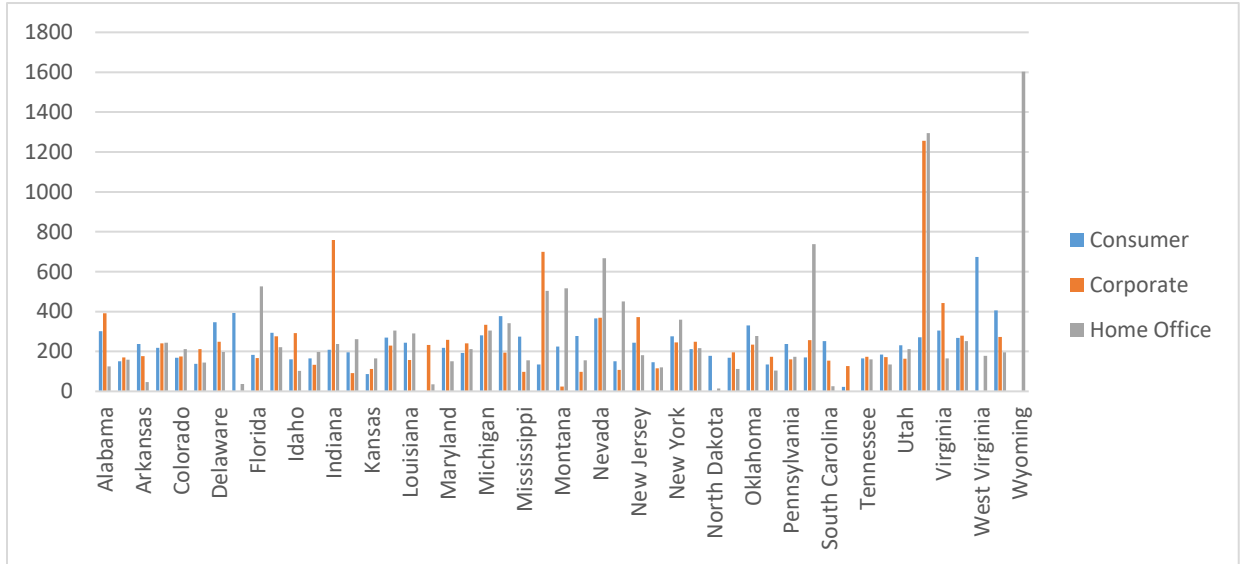
1. ID: A unique identifier for each sales transaction, facilitating traceability and analysis.
2. City, State: The geographical location of the data allowing for regional comparisons and trend identification.
3. Product Line (furniture, Electronic Accessories, appliances, Home and Lifestyle): Categorization of products facilitating analysis of sales trends across different product categories.
4. Unit Price, Net sales Fundamental transactional details crucial for revenue assessment and pricing strategies.
5. Net sales of different category, category performing well in different states: Performance metrics
6. Rating: different product performing well in different state
7. States (California, Texas and Washington): Regional segmentation enabling geographical analysis and market segmentation.

## QUESTIONNAIRE:

1. Compare all the US states in terms of Segment and Sales. Which Segment performed well in all the states?
2. Find out top performing category in all the states?
3. Which segment has most sales in US, California, Texas, and Washington?
4. Compare total and average sales for all different segment?
5. Compare average sales of different category and sub category of all the states.

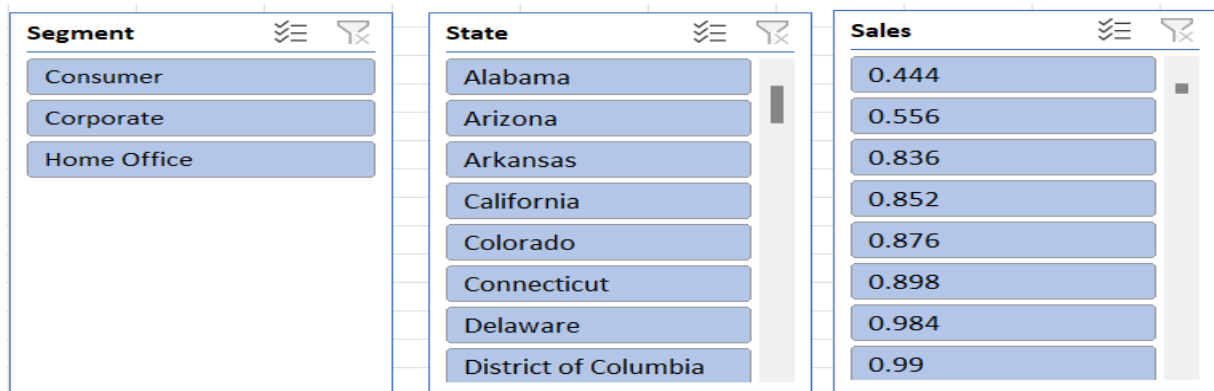
## ANALYTICS:

**Q1.** Compare all the US states in terms of Segment and Sales. Which Segment performed well in all the states?

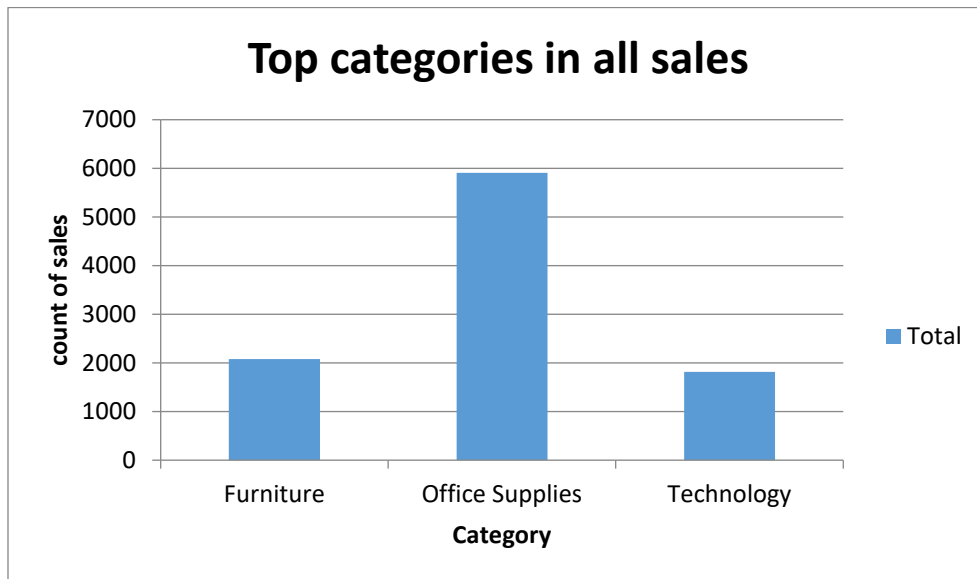


- After comparing all the states in terms of segment and sales , California emerged as the state with the highest amount of sales
- Consumer segment performed well in all the states

## Slicers:

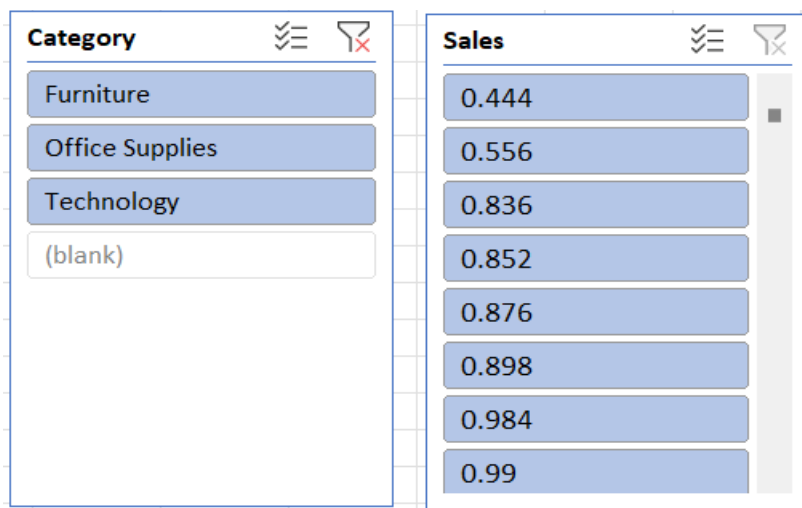


**Q2.** Find out top performing category in all the states?

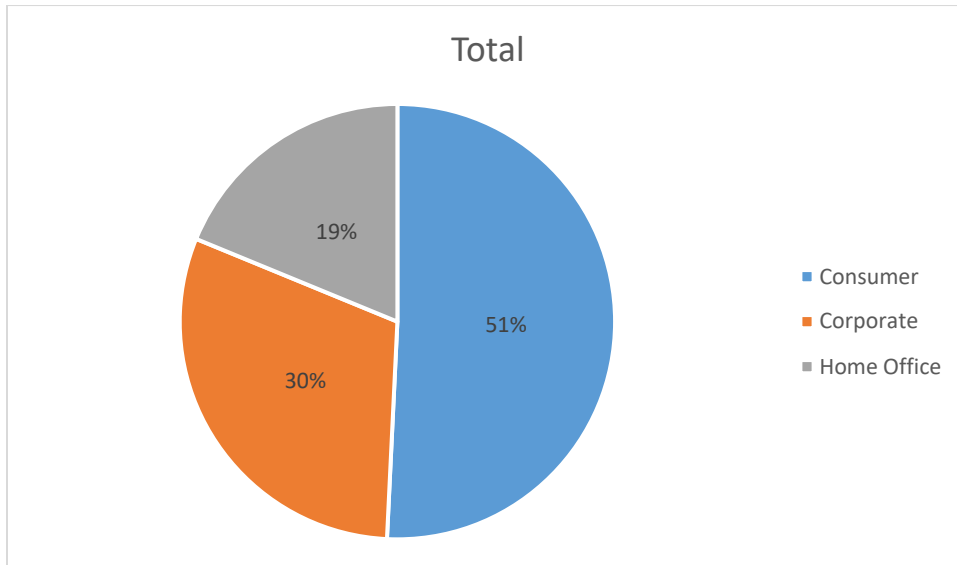


- Office Supplies is the top performing category in all the states

**Slicers:**



**Q3.** Which segment has most sales in US, California, Texas, and Washington?

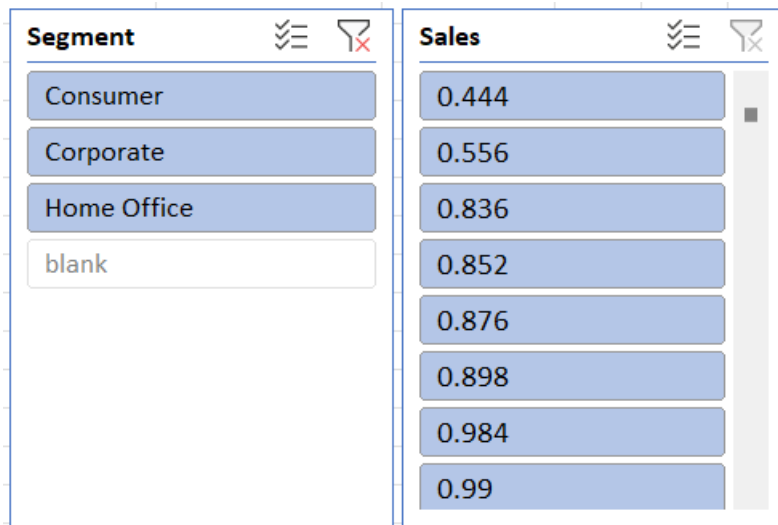
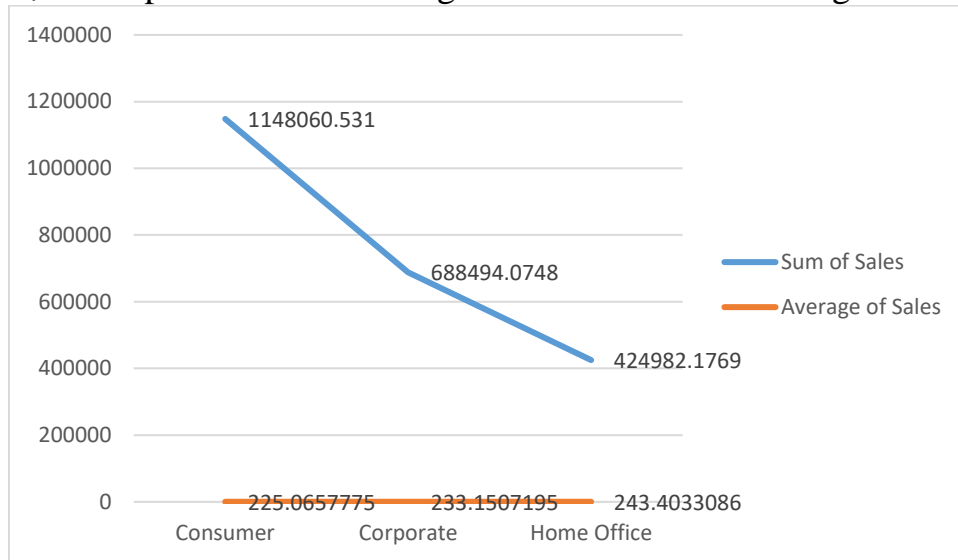


- Consumer segment has the most sales in US, California, Texas, and Washington

**Slicers:**

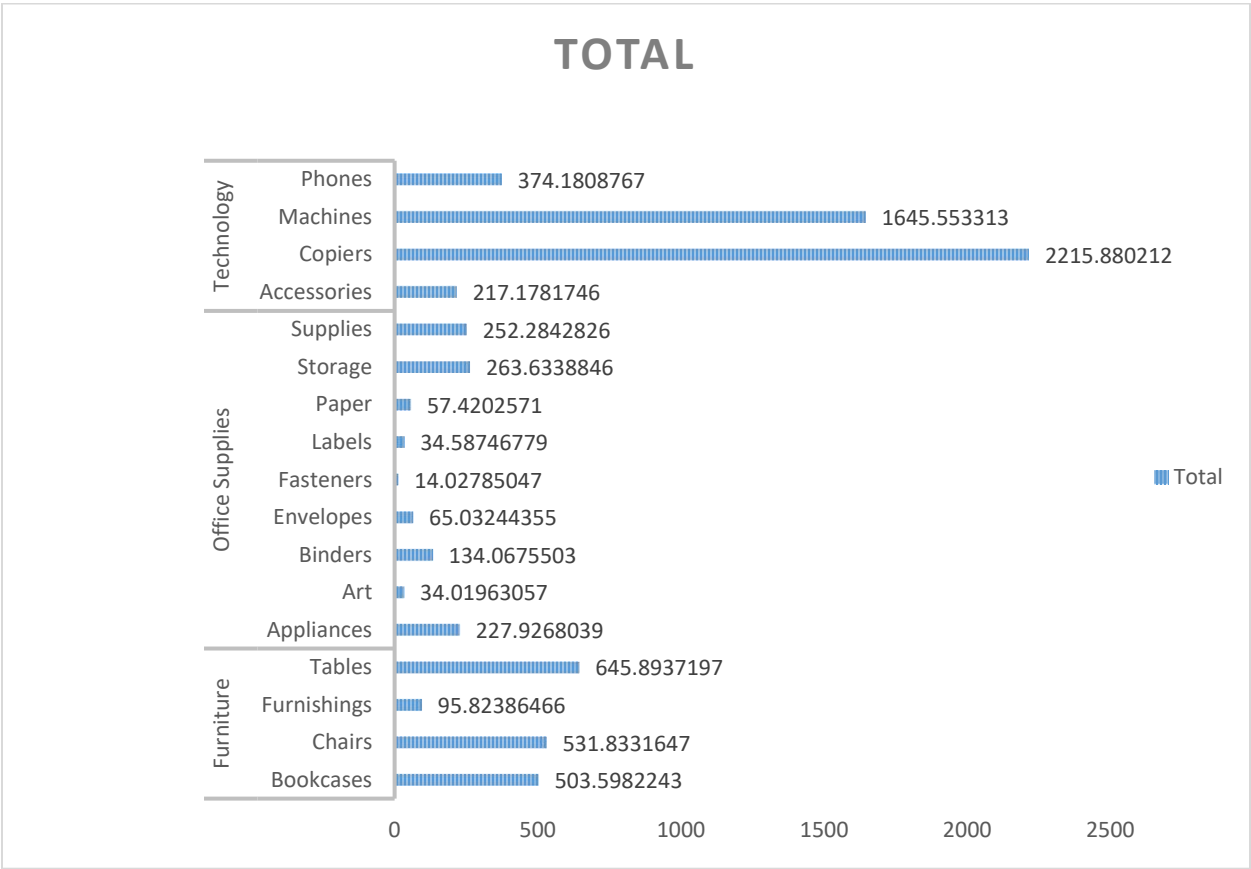
State	Sales
Alabama	0.444
Arizona	0.556
Arkansas	0.836
California	0.852
Colorado	0.876
Connecticut	0.898
Delaware	0.984
District of Columbia	0.99

#### Q4. Compare total and average sales for all different segment?

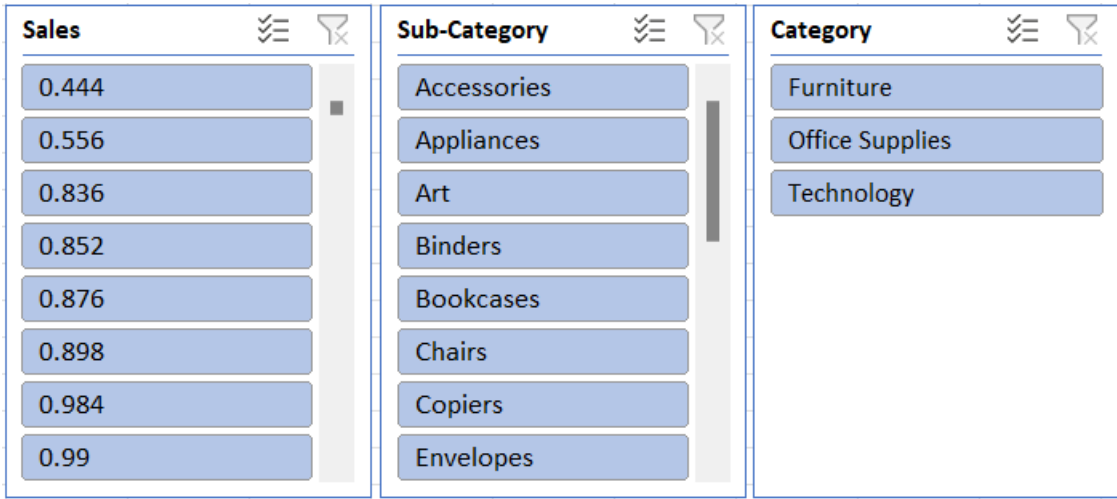


Slicers:

**Q5.** Compare average sales of different category and sub category of all the states.



**Slicers:**



## 1. CONCLUSION:

Our comprehensive analysis of the provided dataset through various data visualization techniques has yielded valuable insights. Through the creation of bar graphs, pie charts, and other visual representations, we've been able to discern patterns, trends, and relationships within the data that might have otherwise remained obscured.

Our deep dive into the dataset has not only enhanced our understanding of the underlying information but has also empowered us to make informed decisions based on the insights gained. By visually depicting the data, we've been able to communicate complex findings in a clear and accessible manner, facilitating better comprehension and actionable strategies.

Furthermore, this process has underscored the importance of data visualization as a powerful tool for extracting meaningful information from raw data. By harnessing the visual nature of graphs and charts, we've transformed numbers and statistics into compelling narratives that drive understanding and inform decision-making.