

THE SPARKS FOUNDATION

BATCH: GRIPFEB22

AUTHOR - ARISH KHAN

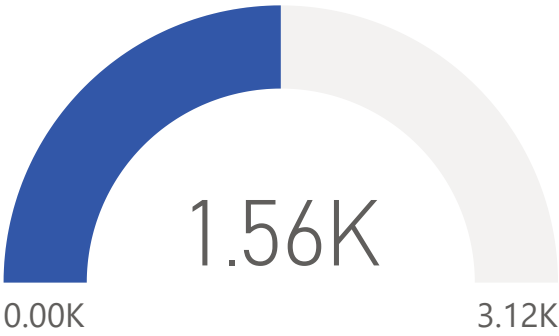
DATA SCIENCE AND BUSINESS ANALYTICS INTERN

TASK-3 PERFORM ' EXPLORATORY DATA ANALYSIS ON DATASET SAMPLE SUPER STORE

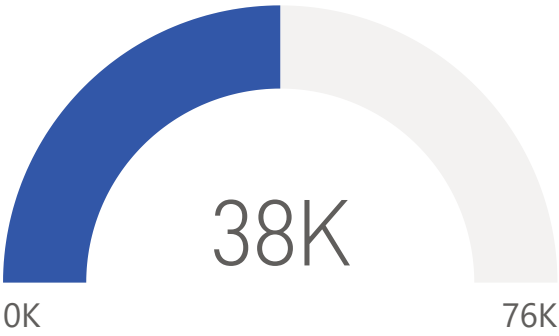
AS A BUSINESS MANAGER TRY TO FIND OUT THE WEAK PROFIT AREAS WHERE YOU
CAN WORK MORE TO MAKE MORE PROFIT

DATA SET LINK <https://bit.ly/3i4rbW1>

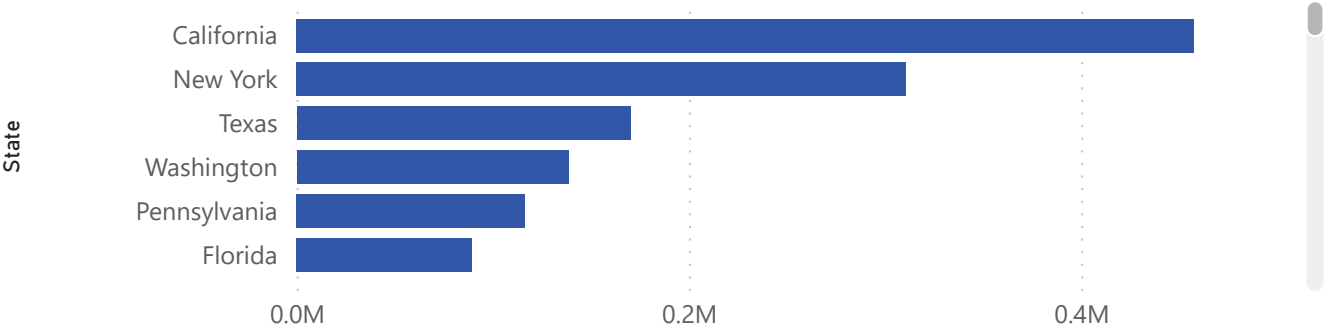
Discount



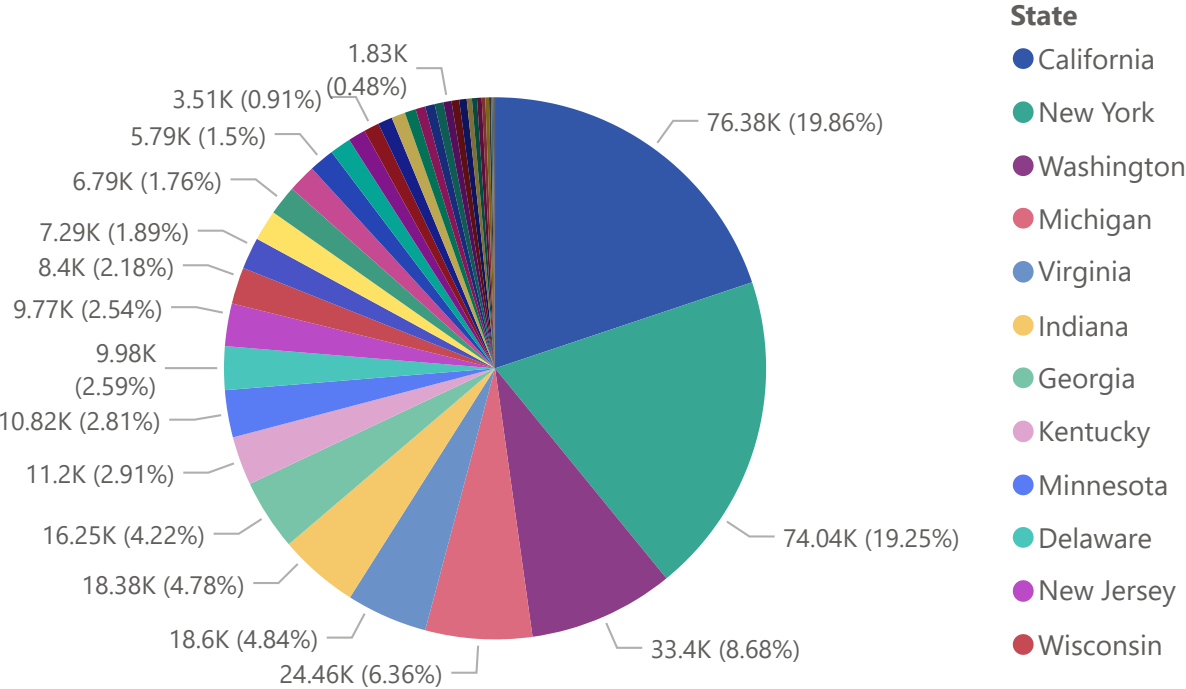
Quantity



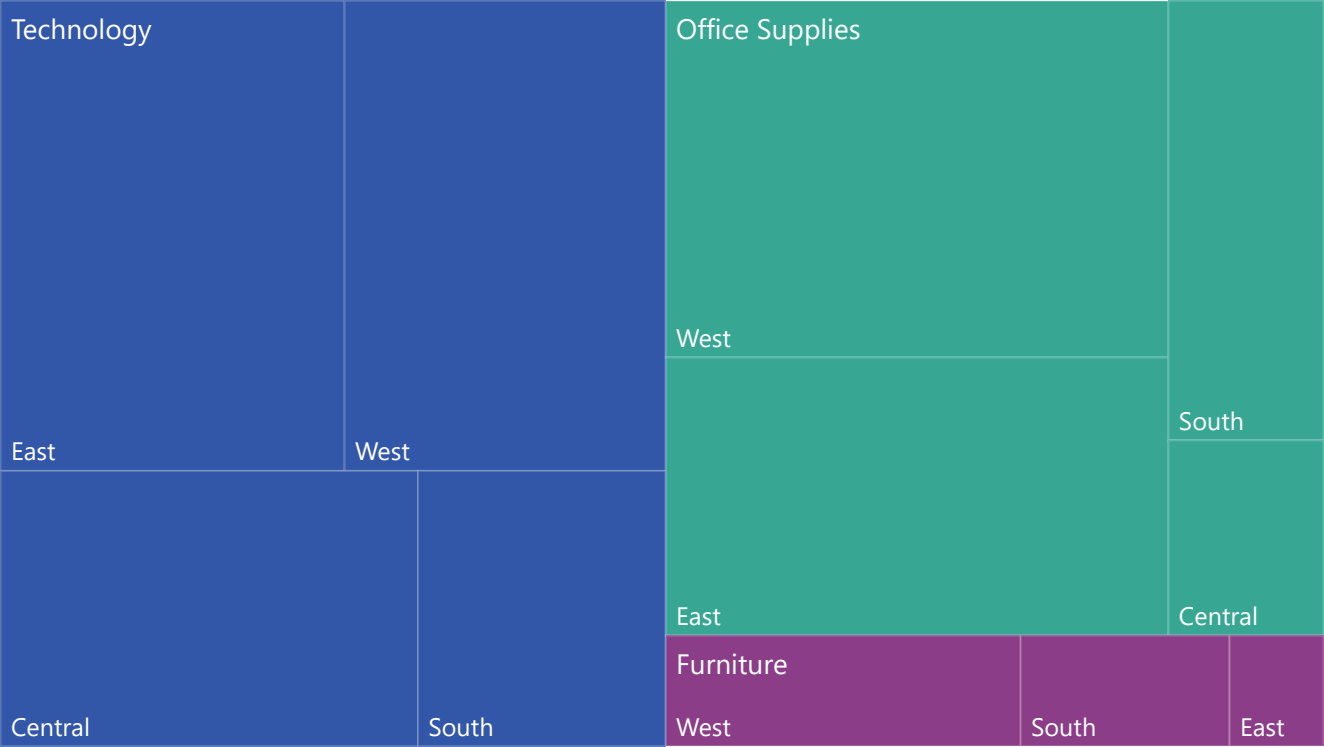
Sales by State



Profit by State



Profit by Category and Region



Sales

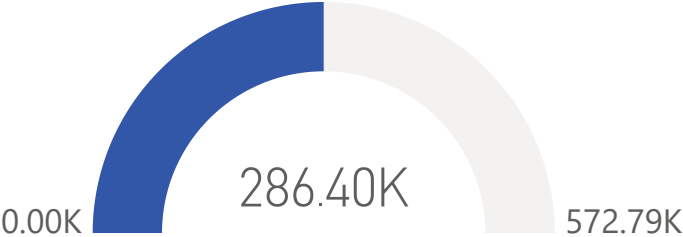
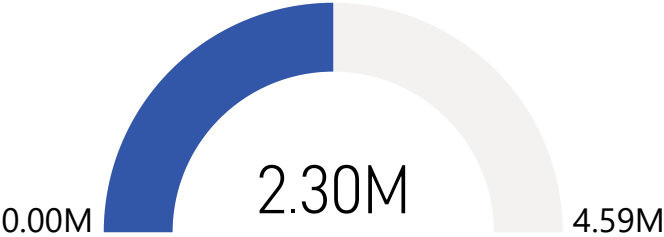
Alabama

First State

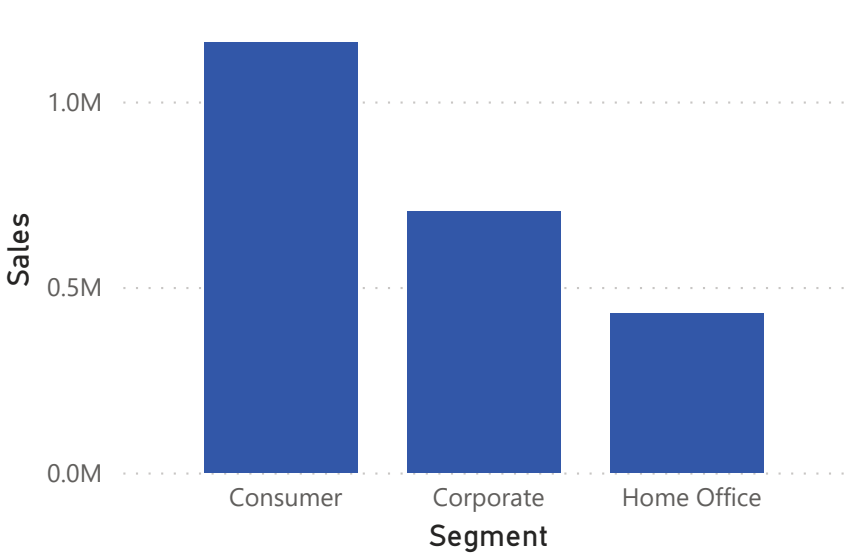
2.30M

Sales

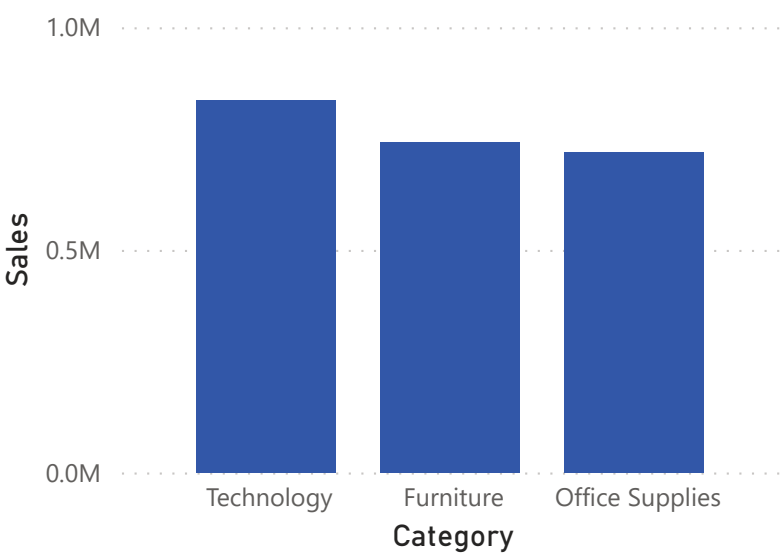
Profit



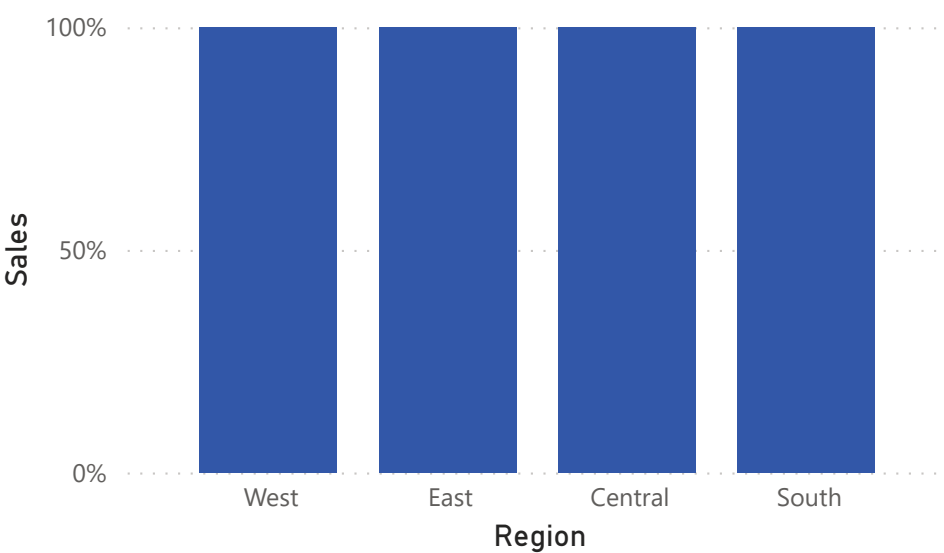
Sales by Segment



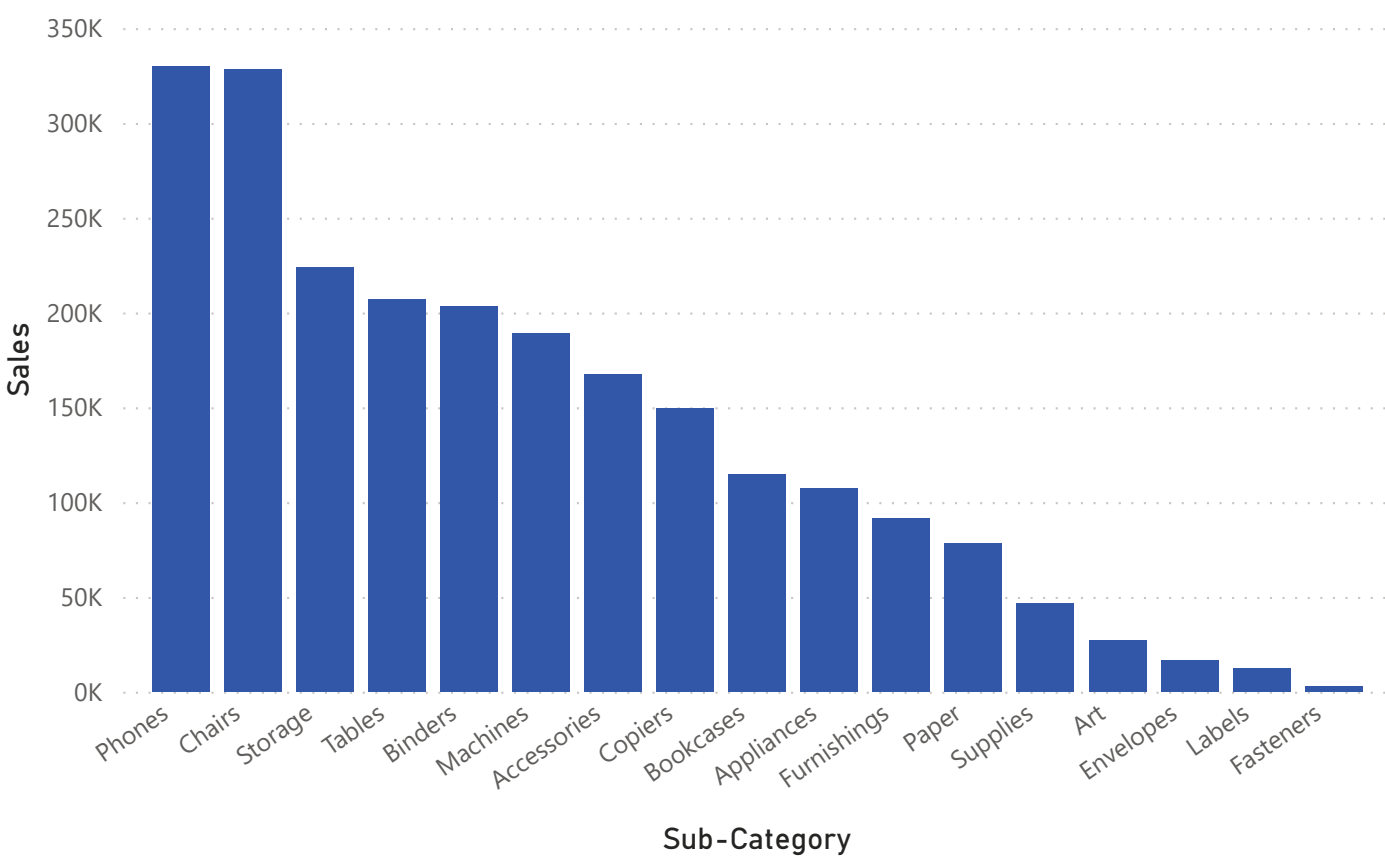
Sales by Category



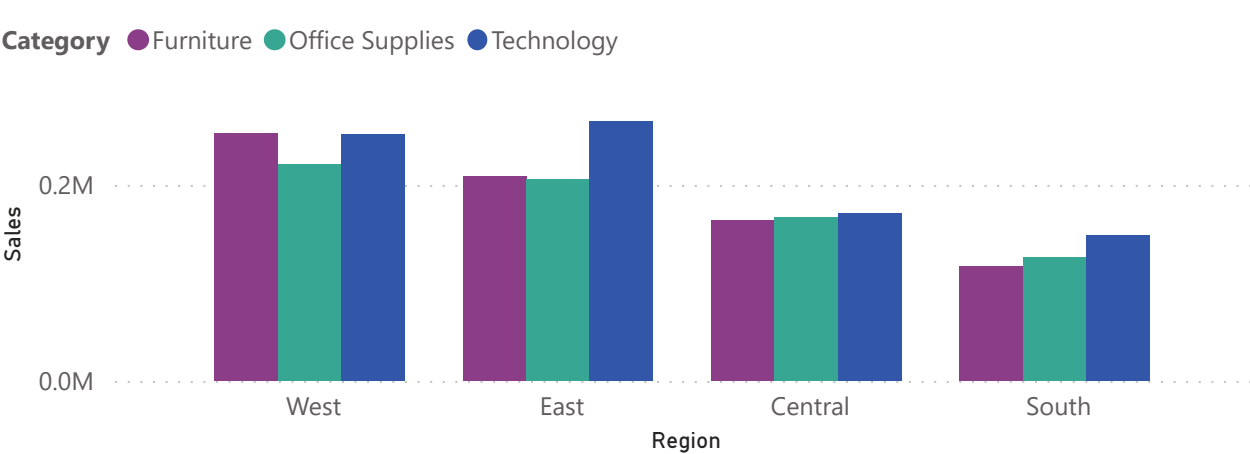
Sales by Region



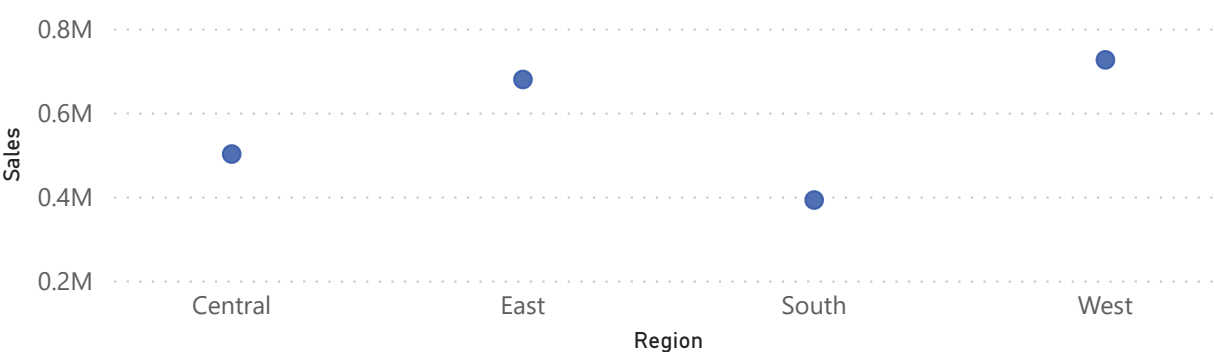
Sales by Sub-Category



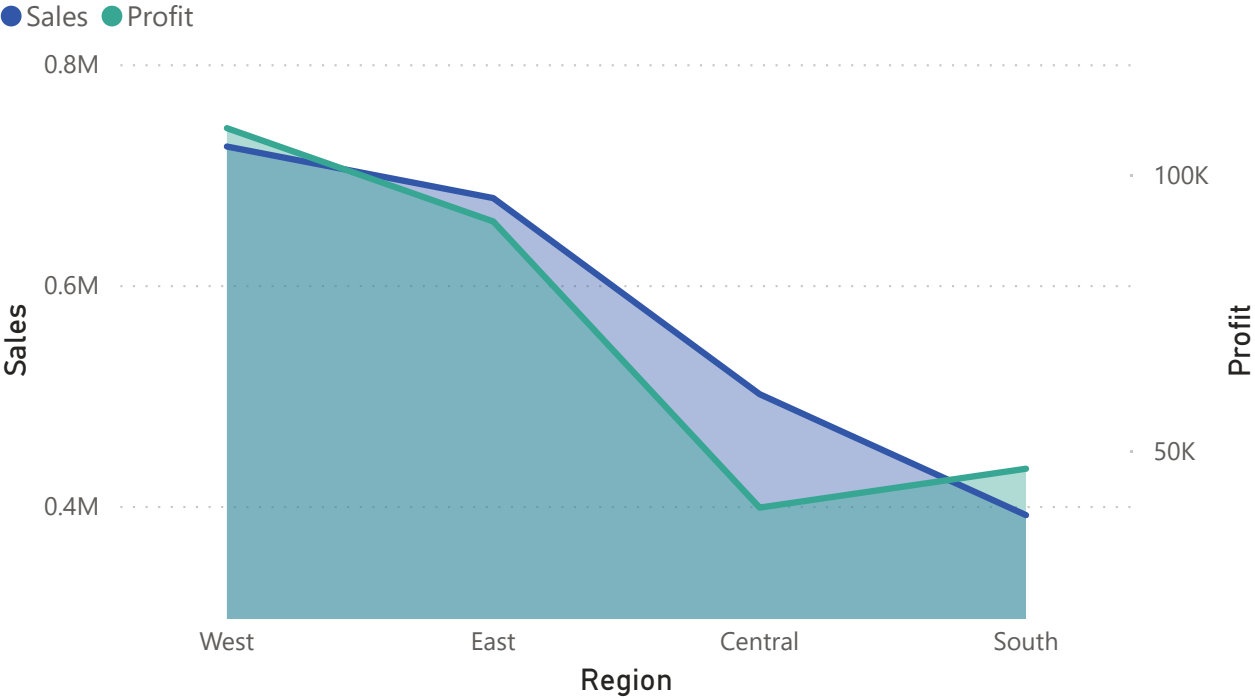
Sales by Region and Category



Sales by Region



Sales and Profit by Region



Results and Conclusion

As the sales and the profits are both less in the south region.
Result & Conclusion:- Profit is more than that of sale but there are some areas where profit could be increased.

Profit and Discount is high in First Class
Sales are high for the Same day ship
Sub-category: Copier: High Profit & sales
Sub-category: Binders, Machines, and then tables have high Discount.
Category: Maximum sales and Profit obtain in Technology.
Category: Minimum profit obtain in Furniture
State: Vermont: Highest Profit
State: Ohio: Lowest Profit
Segment: Home-office: High Profit & sales
Here is the top 3 city where deals are the Highest.
New York City
Los Angeles Philadelphia
Sales and Profit are Moderately Correlated.
Quantity and Profit are less Moderately Correlated.
Discount and Profit are Negatively Correlated

Here is the top 3 state where deals are the Highest.
New York
Texas
California
Lowest amount of sales= South Dakota(0.8%)
Wyoming: Lowest Number of deals, the Highest amount of sales= Wyoming(11.8%)

we have to work on the south region(furniture r) that can earn more profit

Count of Ship Mode and Profit by Segment

