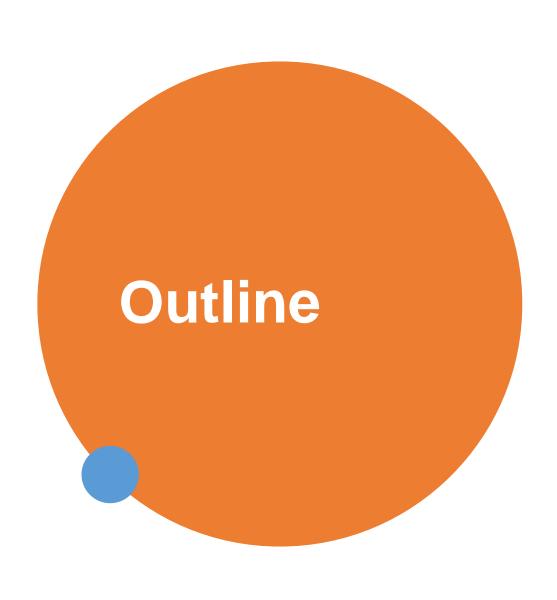
# Basic Data Analysis The Case of a Superstore

Salau Ayomide



- Dataset Information and Source
- Case Questions
- Data Cleaning using Spreadsheet
- EDA using MySQL
- Data Visualization with PowerBI
- Findings and Recommendation
- Conclusion.

#### **Dataset Information and Source**



THIS IS A SAMPLE
SUPERSTORE DATASET, A
KIND OF A SIMULATION
WHERE YOU PERFORM
EXTENSIVE DATA ANALYSIS
TO DELIVER INSIGHTS ON
HOW THE COMPANY CAN
INCREASE ITS PROFITS
WHILE MINIMIZING THE
LOSSES.



THE DATASET CAN BE FOUND ON KAGGLE.COM.



THE IS THE LINK TO THE

DATASET

(HTTPS://WWW.KAGGLE.CO

M/DATASETS/BRAVEHART10

1/SAMPLE-SUPERMARKET
DATASET)



THE DATASET WILL NOT BE UPDATED.

## Case Questions

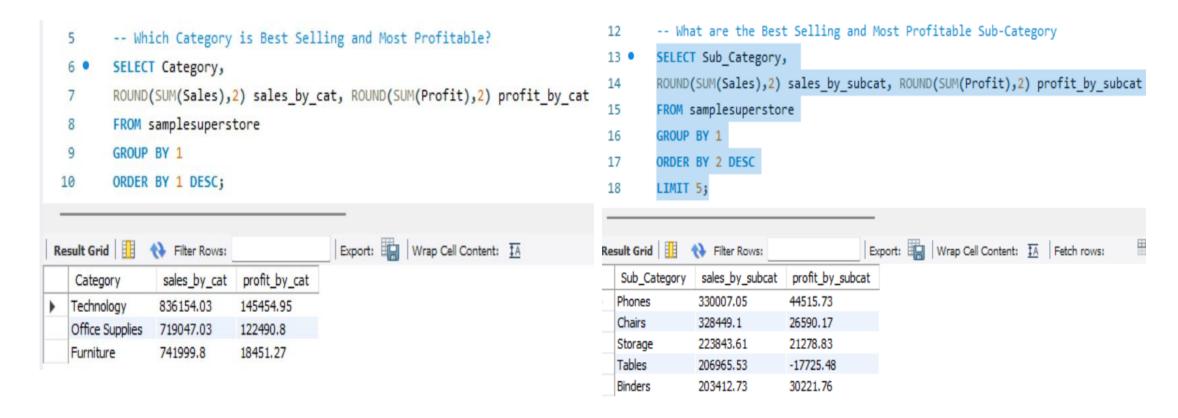
- Which Category is Best Selling and Most Profitable?
- What are the Best Selling and Most Profitable Sub-Category?
- Which is the Top Selling Sub-Category?
- Which Customer Segment is Most Profitable?
- Which is the Preferred Ship Mode?
- Which Region is the Most Profitable?
- Which City has the Highest Number of Sales?

# Data cleaning using Spreadsheet

- The Data has 9,997 rows and 2 deleted empty cells at the bottom.
- There are no whitespaces in the data.

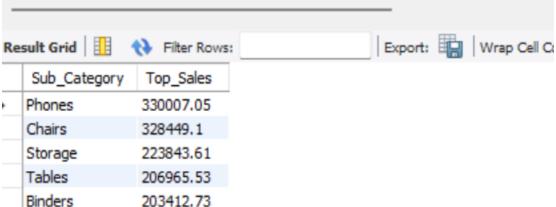


- Which Category is Best Selling and Most Profitable?
- What are the Best Selling and Most Profitable Subcategory?



 Which is the Top Selling Sub-Category?

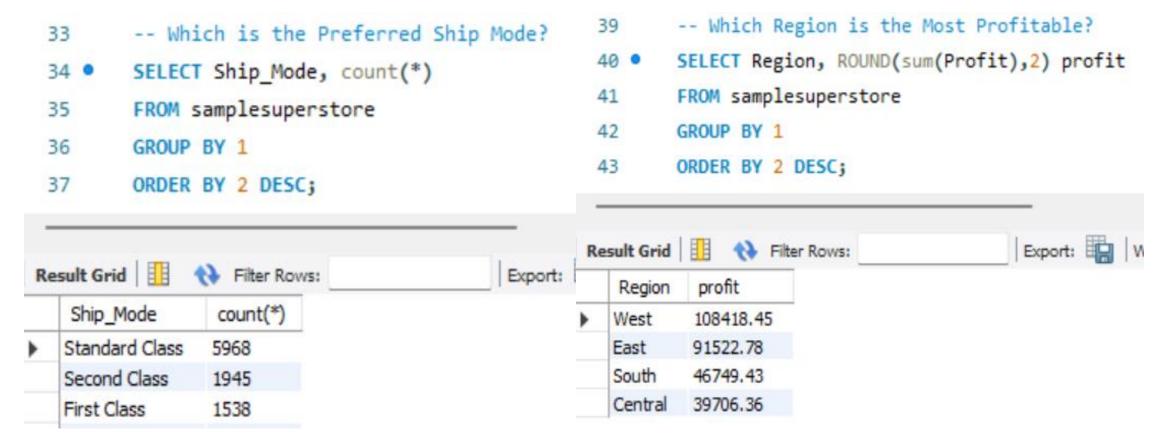
```
-- Which is the Top Selling Sub-Category
SELECT Sub_Category, ROUND(SUM(Sales),2) Top_Sales
FROM samplesuperstore
GROUP BY 1
ORDER BY 2 DESC
LIMIT 5;
26
```



 Which Customer Segment is Most Profitable?

```
-- Which Customer Segment is Most Profitable?
27
 28 •
         SELECT Segment, ROUND(sum(Profit),2) profit
 29
         FROM samplesuperstore
         GROUP BY 1
 30
 31
         ORDER BY 2 DESC;
 32
Result Grid
               Filter Rows:
               profit
   Segment
              134119.21
  Consumer
  Corporate
              91979.13
  Home Office
              60298.68
```

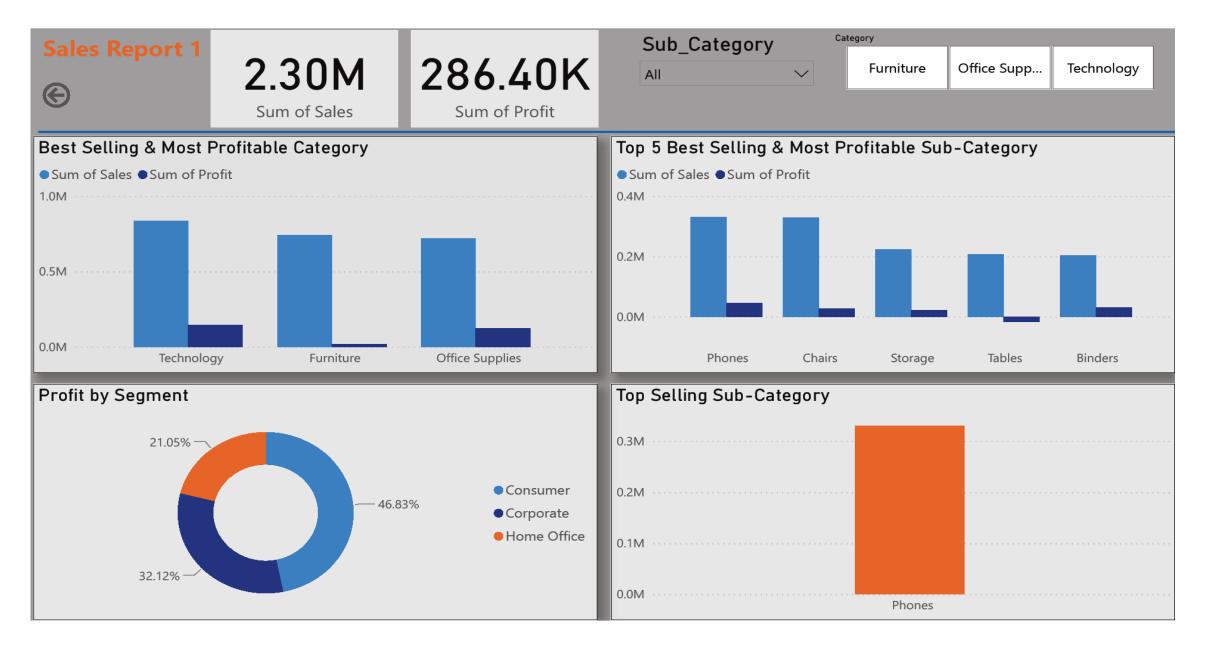
 Which is the Preferred Ship Mode?  Which Region is the Most Profitable?



Which City has the Highest Number of Sales?

```
-- Which City has the Highest Number of Sales?
 45
 46 •
         SELECT distinct City, ROUND(sum(sales),2) Top Sales
         FROM samplesuperstore
 47
 48
         GROUP BY 1
 49
         ORDER BY 2 DESC
 50
         LIMIT 10;
Result Grid
               Filter Rows:
                                              Export:
                                                         Wrap Cell Cor
                Top_Sales
   City
  New York City
                256368.16
  Los Angeles
                175851.34
  Seattle
                119540.74
  San Francisco
                112669.09
  Philadelphia
                109077.01
  Houston
                64504.76
  Chicago
                48539.54
```

#### Case Solution 1



#### Case Solution 2

