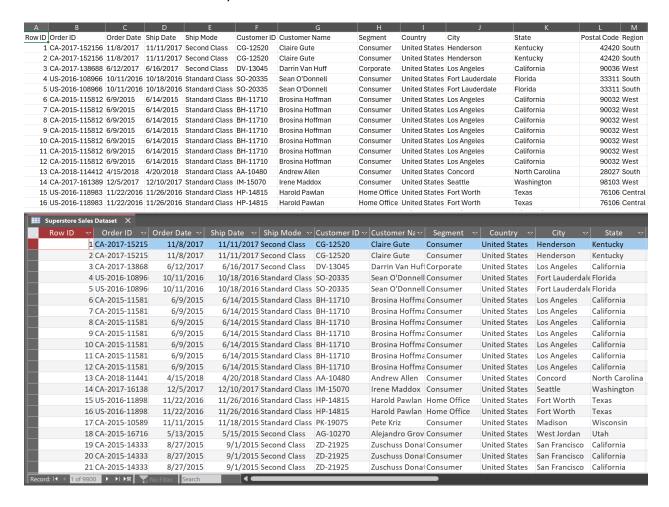
MS Access Project – Managing Superstore Sales Data:

<u>Project Background</u>: I downloaded an excel file of retail sales from Kaggle to analyze its records on various categories such as order date, ship date, customer name, category product name and location. Queries were useful in this project for performing calculations and run summary reports on specific goals. Once summarized these can be copied and pasted in MS Excel for further analysis.

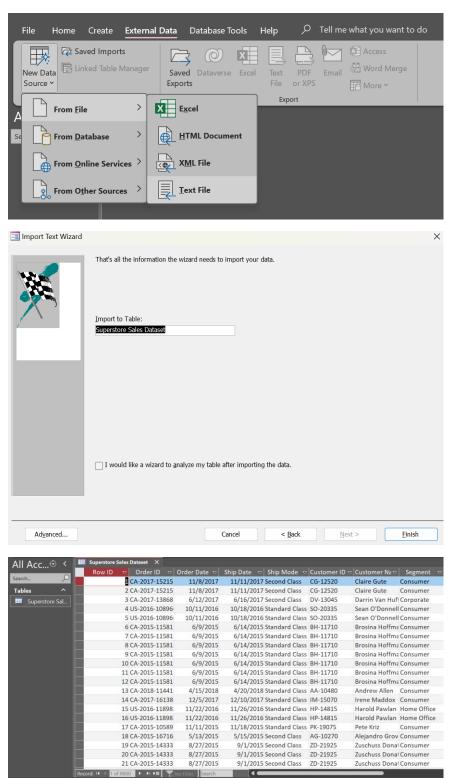
Objective: In this project I have created 6 queries specifically in order to get the following results:

- The average sales amount made by customer segmentation.
- First class orders made in 2018.
- The number of times a customer has ordered products in 2016.
- The number of times an office supply product has been sold.
- The total sum of sales made by region.
- The total sum of sales made by state.

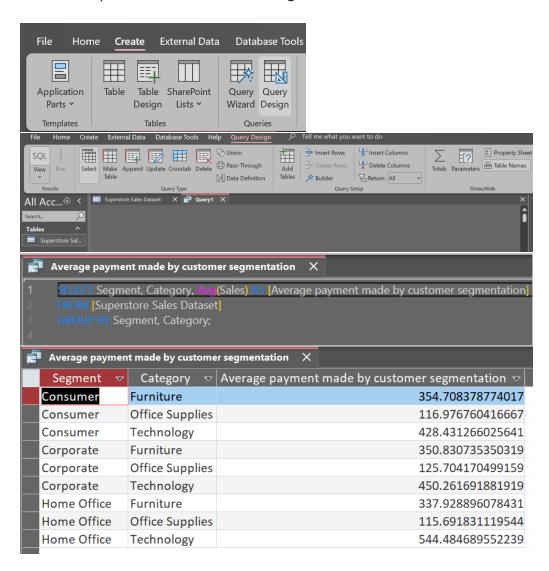


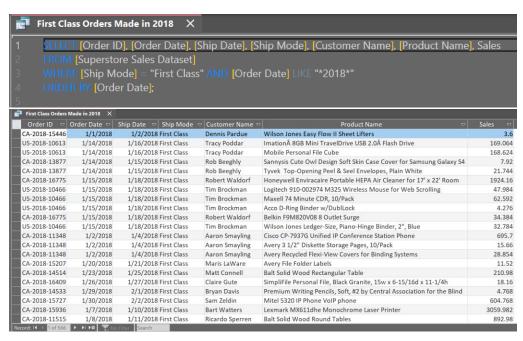
Steps taken:

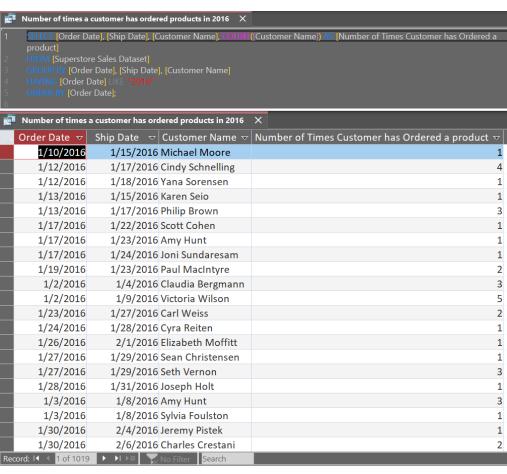
1. The first step in this project was import data into MS Access:

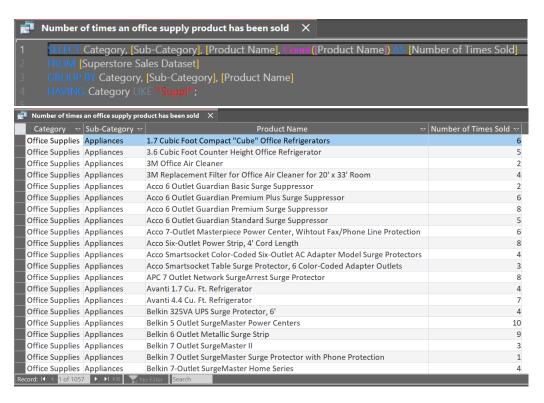


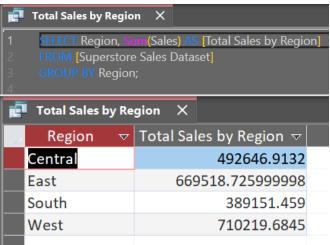
2. Next I started creating queries and used SQL to summarize the imported dataset. The SELECT statement, clauses such as WHERE, GROUP BY, HAVING, and ORDER BY, as well as operators and attributes helped me summarize the following results:

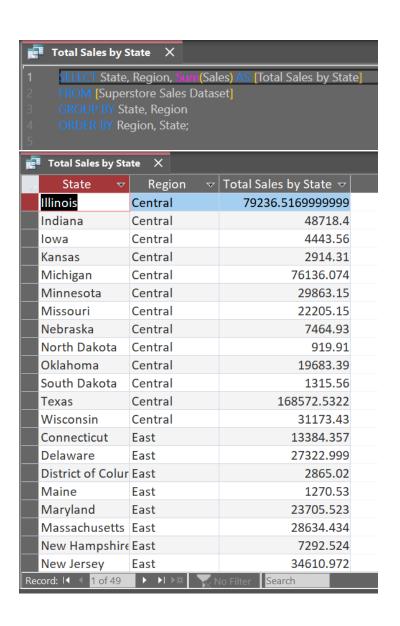


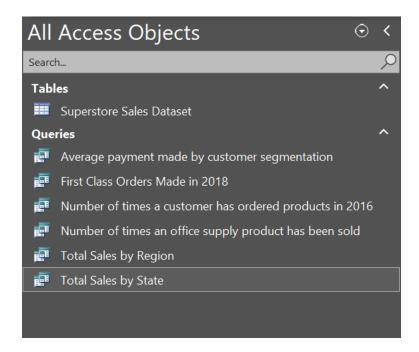




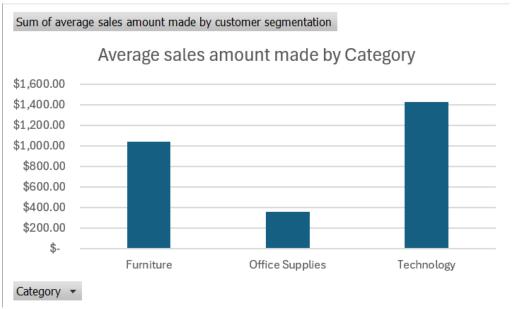


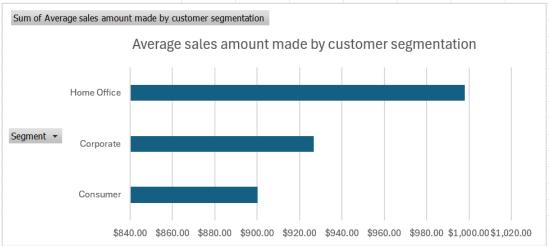






- 3. As a final step I copied these sheets and pasted them in MS Excel to create charts. Doing this allowed me to visualize this project even further:
 - Average sales amount made by customer segmentation.xlsx
 - First class orders made in 2018.xlsx
 - Number of times a customer has ordered products in 2016.xlsx
 - Number of times an office supply product has been sold.xlsx
 - Total Sales by Region.xlsx
 - Total Sales by State.xlsx















- 4. By analyzing these charts I was able to determine:
- The average sales amount in the technology sector was the highest, compared to furniture and office supplies,
- The average sales amount in the consumer segment was the lowest, compared to home office and corporate,
- September was the month with the highest count of first-class orders in 2018,
- The 3 top customers that have made orders most often in 2016 were Peter Fuller, Sung Pak and Matt Abelman,
- The office supply products that have been sold the most were in the binders sub-category,
- The total sales amount in the West region was highest, while South was the lowest,
- The state with highest sales amount was California (with \$446,306.46).

References:

https://www.kaggle.com/datasets/rohitsahoo/sales-forecasting