

## DATA ANALYTICS ASSIGNMENT-1

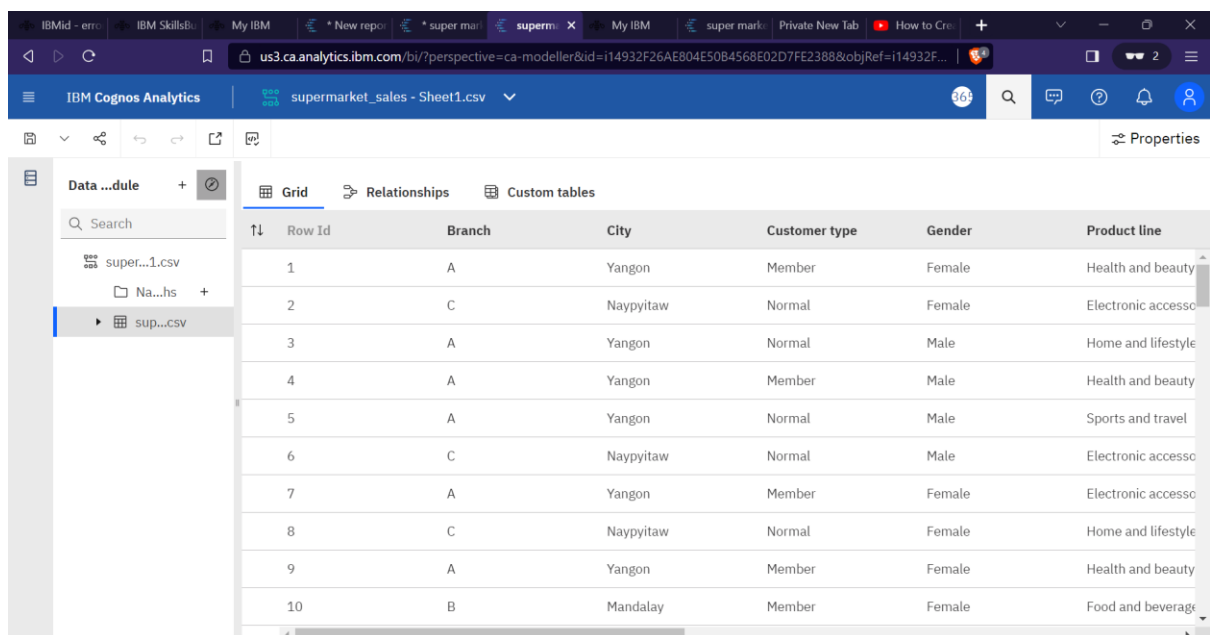
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**Mail: sandhya.21bcb7147@vitapstudent.ac.in**

Challenge:

Upload the dataset to Cognos Analytics, delete the unnecessary columns, create a data module, explore and visualize the dataset

### **SUPERMARKET DATA MODULE:**



The screenshot shows the IBM Cognos Analytics interface. The browser address bar displays the URL: [us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i14932f26AE804E50B4568E02D7FE2388&objRef=i14932f26AE804E50B4568E02D7FE2388](https://us3.ca.analytics.ibm.com/bi/?perspective=ca-modeller&id=i14932f26AE804E50B4568E02D7FE2388&objRef=i14932f26AE804E50B4568E02D7FE2388). The interface shows a data module named 'supermarket\_sales - Sheet1.csv'. The data is displayed in a grid view with the following columns: Row Id, Branch, City, Customer type, Gender, and Product line. The data is as follows:

| Row Id | Branch | City      | Customer type | Gender | Product line           |
|--------|--------|-----------|---------------|--------|------------------------|
| 1      | A      | Yangon    | Member        | Female | Health and beauty      |
| 2      | C      | Naypyitaw | Normal        | Female | Electronic accessories |
| 3      | A      | Yangon    | Normal        | Male   | Home and lifestyle     |
| 4      | A      | Yangon    | Member        | Male   | Health and beauty      |
| 5      | A      | Yangon    | Normal        | Male   | Sports and travel      |
| 6      | C      | Naypyitaw | Normal        | Male   | Electronic accessories |
| 7      | A      | Yangon    | Member        | Female | Electronic accessories |
| 8      | C      | Naypyitaw | Normal        | Female | Home and lifestyle     |
| 9      | A      | Yangon    | Member        | Female | Health and beauty      |
| 10     | B      | Mandalay  | Member        | Female | Food and beverage      |

The screenshot shows the IBM Cognos Analytics interface. The top bar includes the IBM Cognos Analytics logo, the file name 'supermarket\_sales - Sheet1.csv', and a search icon. The left sidebar shows a 'Data ...dule' section with a search bar and a list of files: 'super...1.csv', 'Na...hs', and 'sup...csv'. The main area displays a data grid with the following columns: Unit price, Quantity, Total, Date, Time, and Payment. The data is sorted by Unit price in descending order.

| Unit price | Quantity | Total    | Date       | Time     | Payment     |
|------------|----------|----------|------------|----------|-------------|
| 74.69      | 7        | 548.9715 | 2019-01-05 | 13:08:00 | Ewallet     |
| 15.28      | 5        | 80.22    | 2019-03-08 | 10:29:00 | Cash        |
| 46.33      | 7        | 340.5255 | 2019-03-03 | 13:23:00 | Credit card |
| 58.22      | 8        | 489.048  | 2019-01-27 | 20:33:00 | Ewallet     |
| 86.31      | 7        | 634.3785 | 2019-02-08 | 10:37:00 | Ewallet     |
| 85.39      | 7        | 627.6165 | 2019-03-25 | 18:30:00 | Ewallet     |
| 68.84      | 6        | 433.692  | 2019-02-25 | 14:36:00 | Ewallet     |
| 73.56      | 10       | 772.38   | 2019-02-24 | 11:38:00 | Ewallet     |
| 36.26      | 2        | 76.146   | 2019-01-10 | 17:15:00 | Credit card |
| 54.84      | 3        | 172.746  | 2019-02-20 | 13:27:00 | Credit card |

The screenshot shows the IBM Cognos Analytics interface. The top bar includes the IBM Cognos Analytics logo, the file name 'supermarket\_sales - Sheet1.csv', and a search icon. The left sidebar shows a 'Data ...dule' section with a search bar and a list of files: 'super...1.csv', 'Na...hs', and 'sup...csv'. The main area displays a data grid with the following columns: Total, Date, Time, Payment, and Rating. The data is sorted by Total in descending order.

| Total    | Date       | Time     | Payment     | Rating |
|----------|------------|----------|-------------|--------|
| 548.9715 | 2019-01-05 | 13:08:00 | Ewallet     | 9.1    |
| 80.22    | 2019-03-08 | 10:29:00 | Cash        | 9.6    |
| 340.5255 | 2019-03-03 | 13:23:00 | Credit card | 7.4    |
| 489.048  | 2019-01-27 | 20:33:00 | Ewallet     | 8.4    |
| 634.3785 | 2019-02-08 | 10:37:00 | Ewallet     | 5.3    |
| 627.6165 | 2019-03-25 | 18:30:00 | Ewallet     | 4.1    |
| 433.692  | 2019-02-25 | 14:36:00 | Ewallet     | 5.8    |
| 772.38   | 2019-02-24 | 11:38:00 | Ewallet     | 8      |
| 76.146   | 2019-01-10 | 17:15:00 | Credit card | 7.2    |
| 172.746  | 2019-02-20 | 13:27:00 | Credit card | 5.9    |

## SUPERMARKET EXPOLORATION:

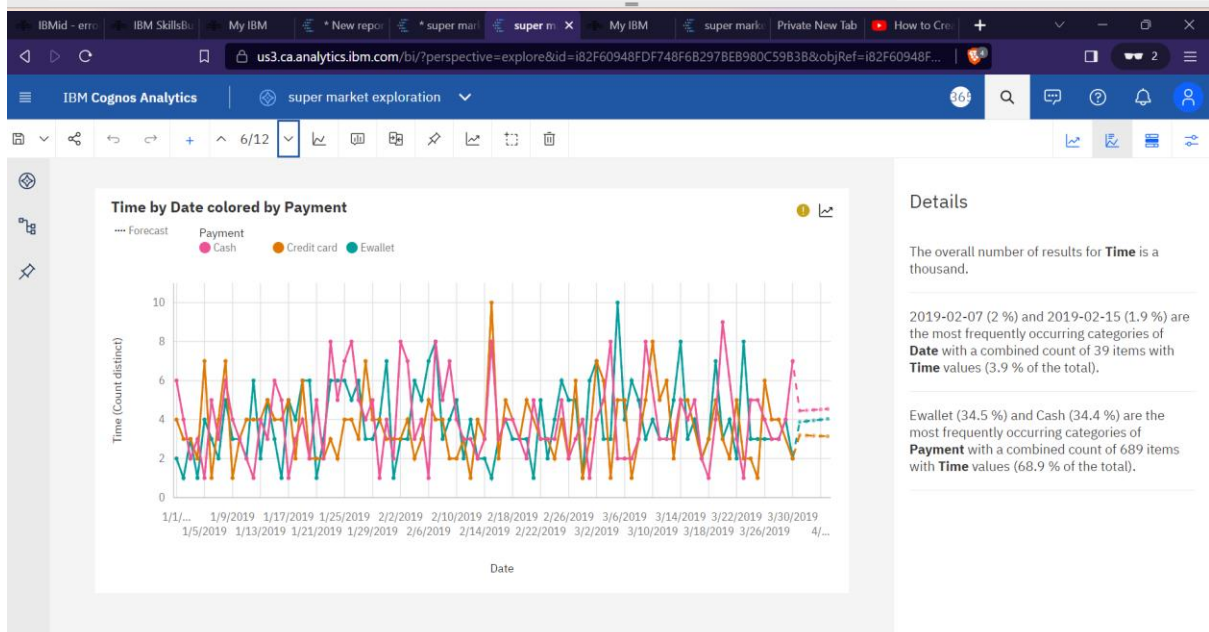
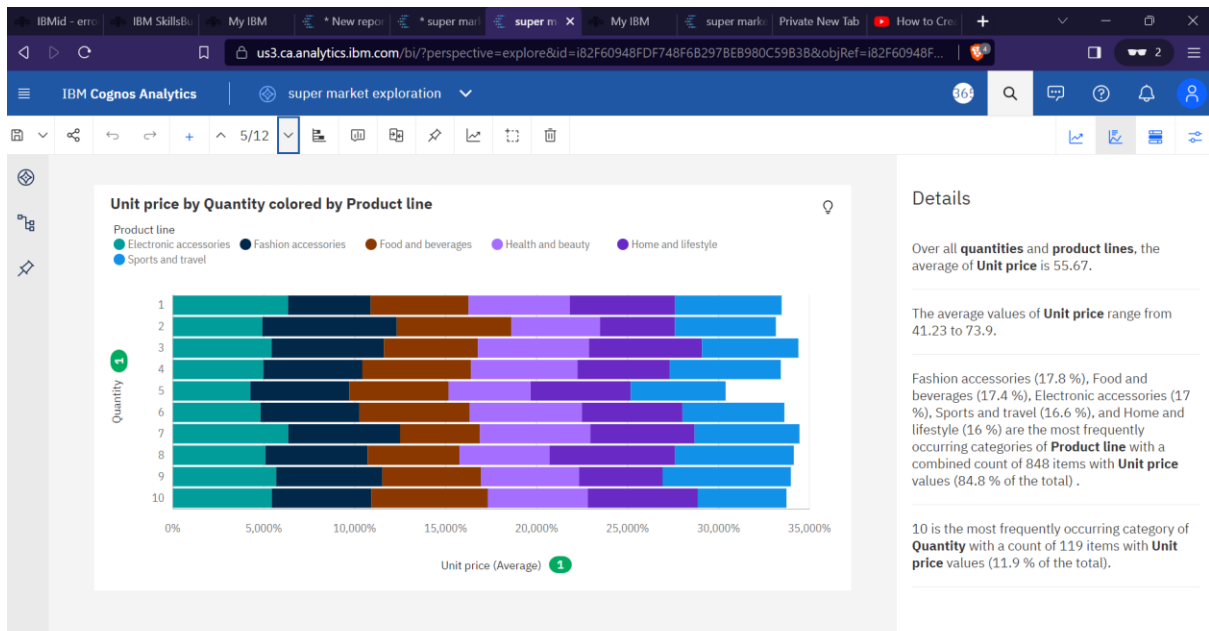


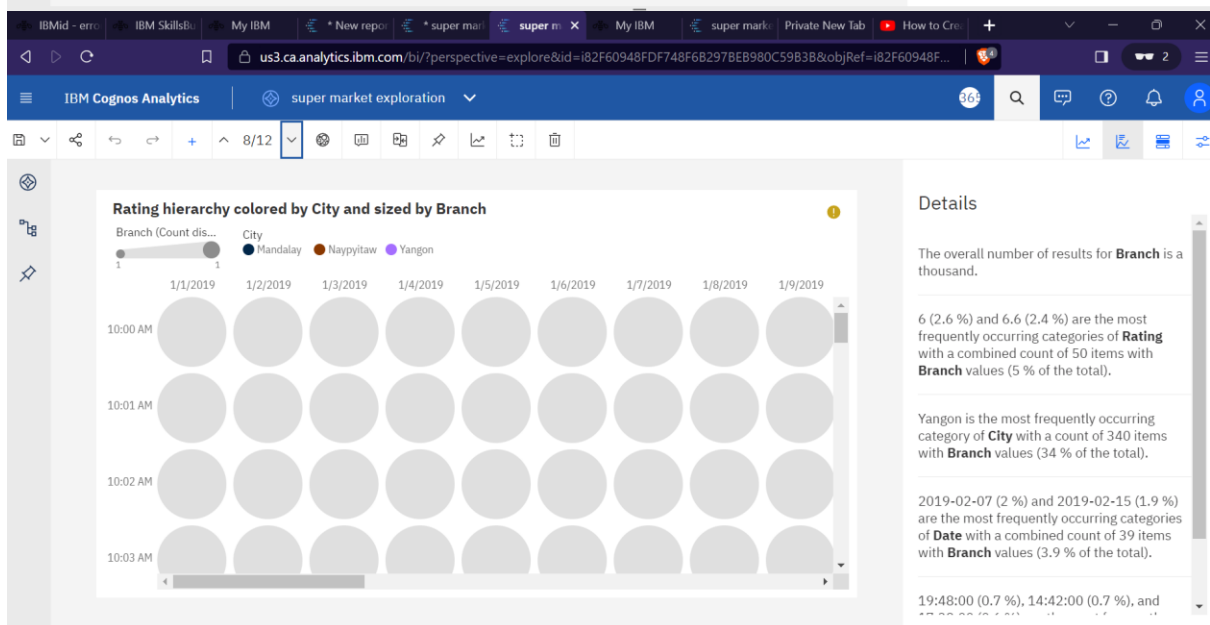
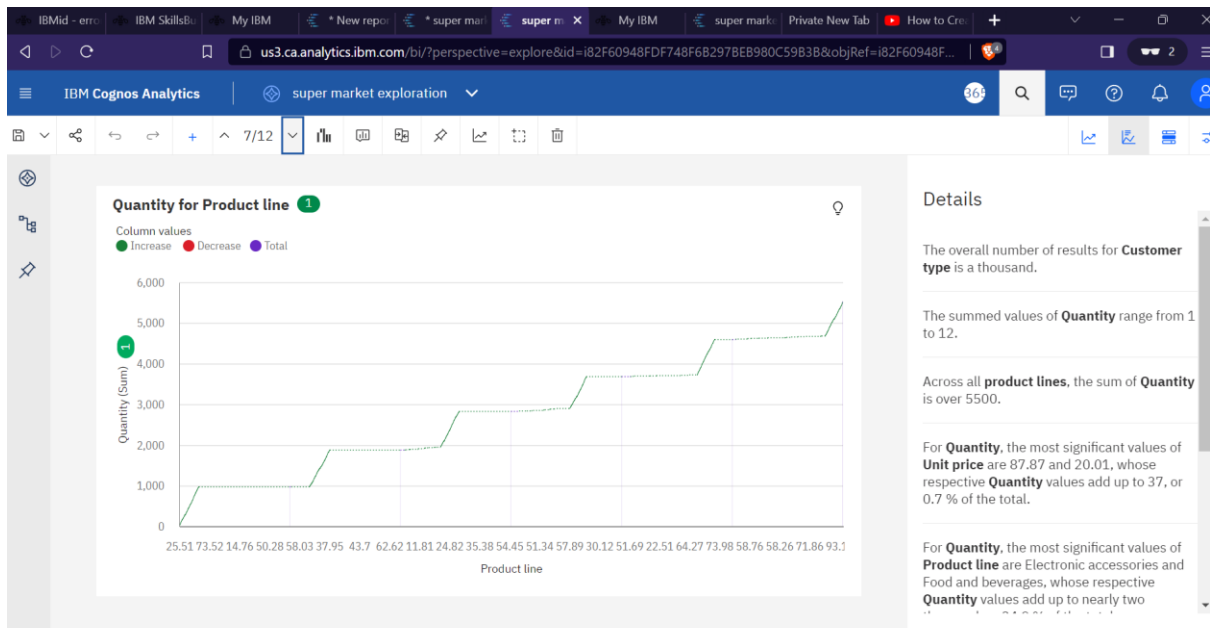
The total number of results for **Rating**, across all **date - times**, is a thousand.

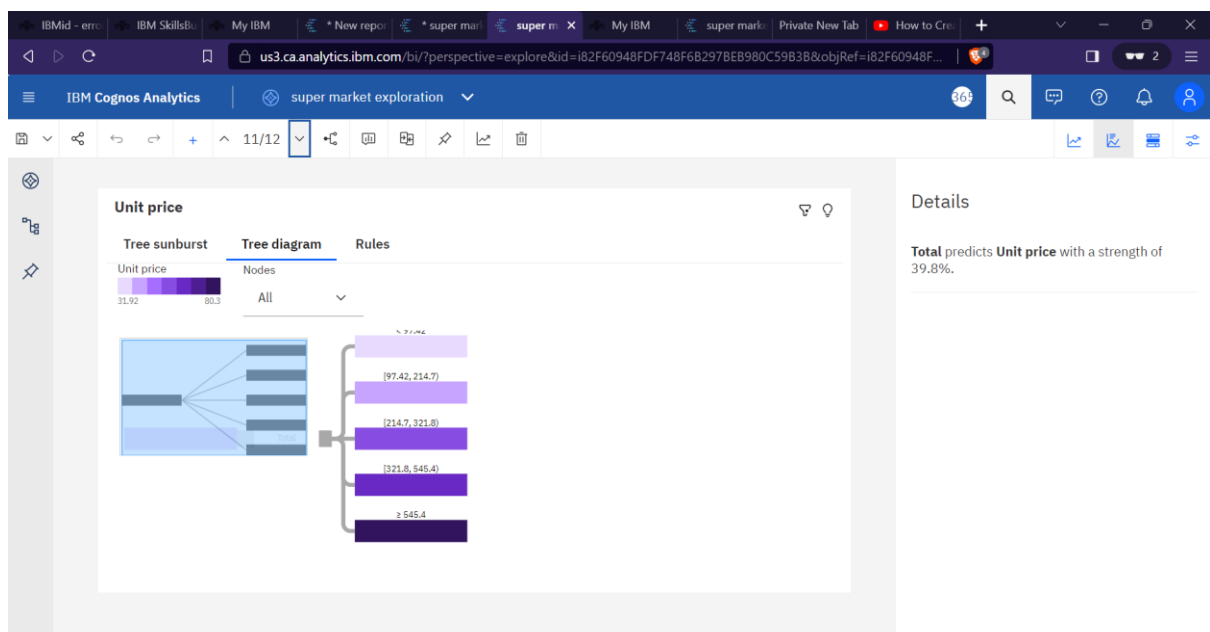
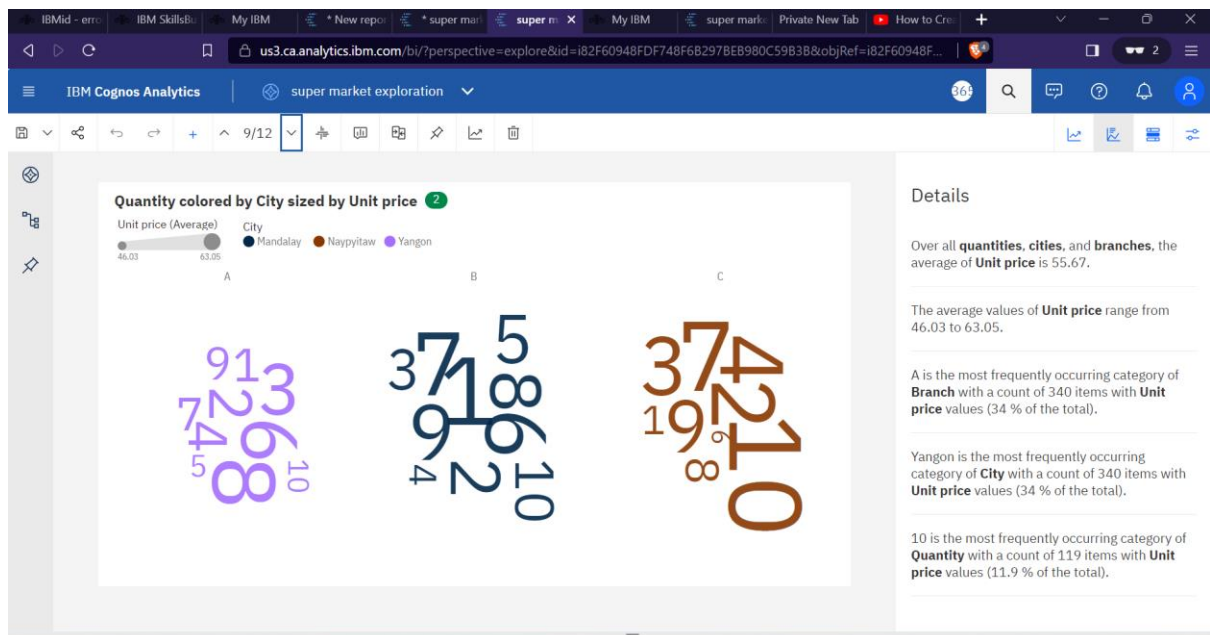
2019-02-06|18:44:00 (2 %) and 2019-03-14|14:13:00 (1.9 %) are the most frequently occurring categories of **Date - Time** with a combined count of 39 items with **Rating** values (3.9 % of the total).



The overall number of results for **Gender** is a thousand.







**Branch and City**

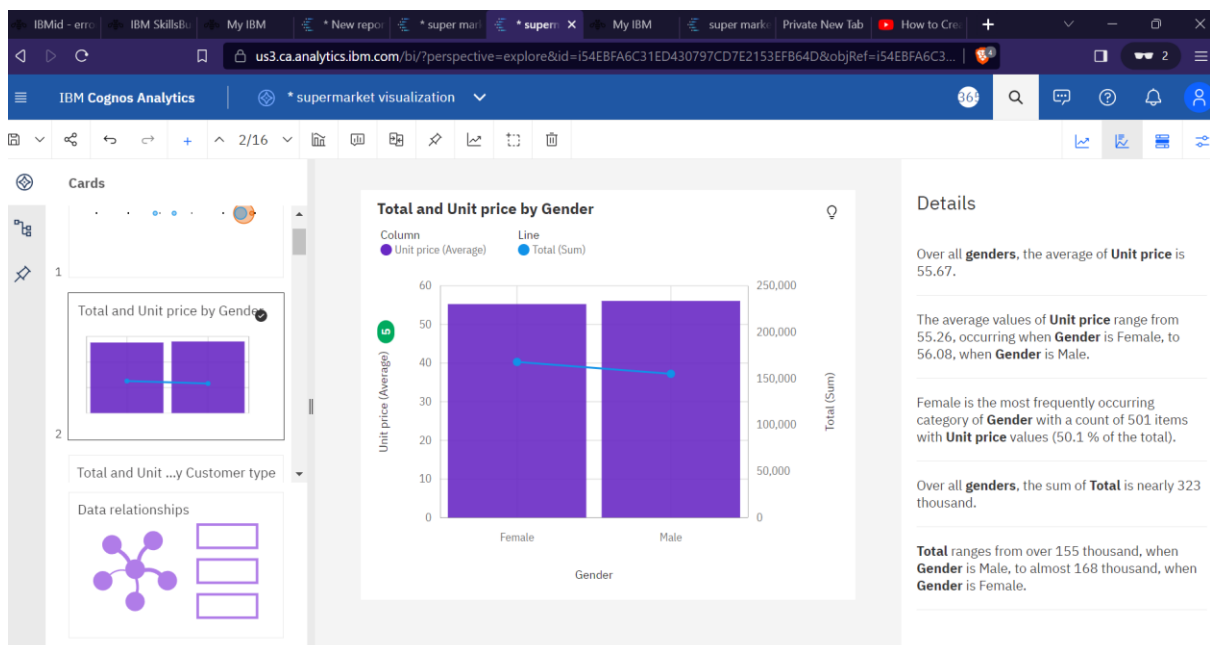
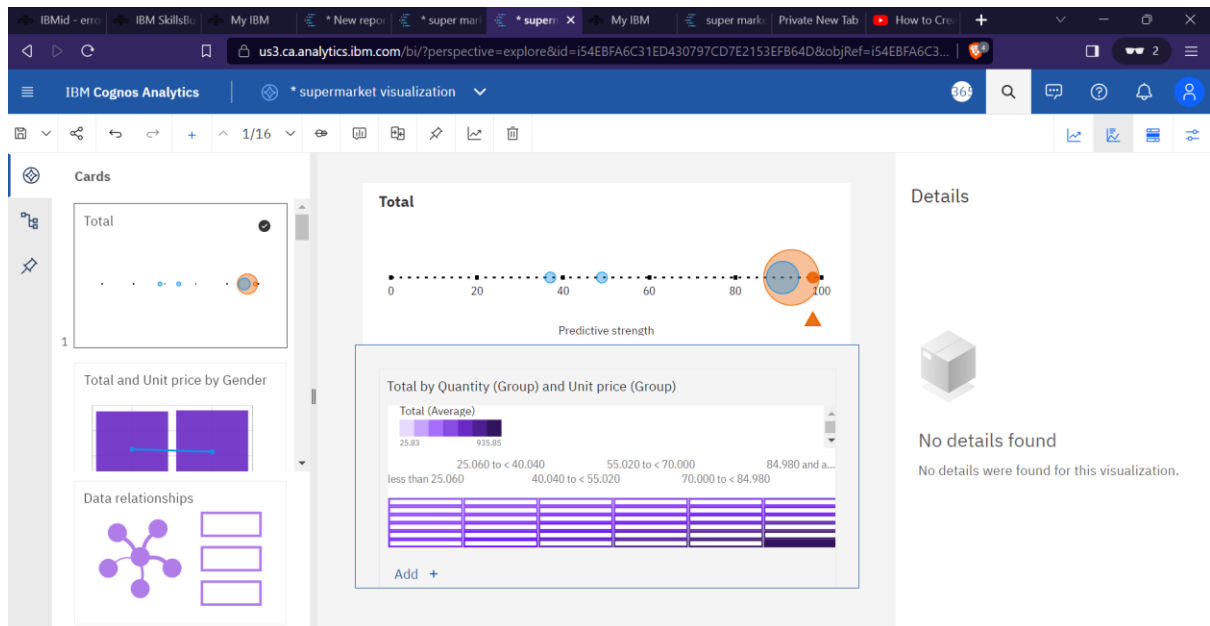
| Branch | City      |
|--------|-----------|
| A      | Yangon    |
| B      | Mandalay  |
| C      | Naypyitaw |

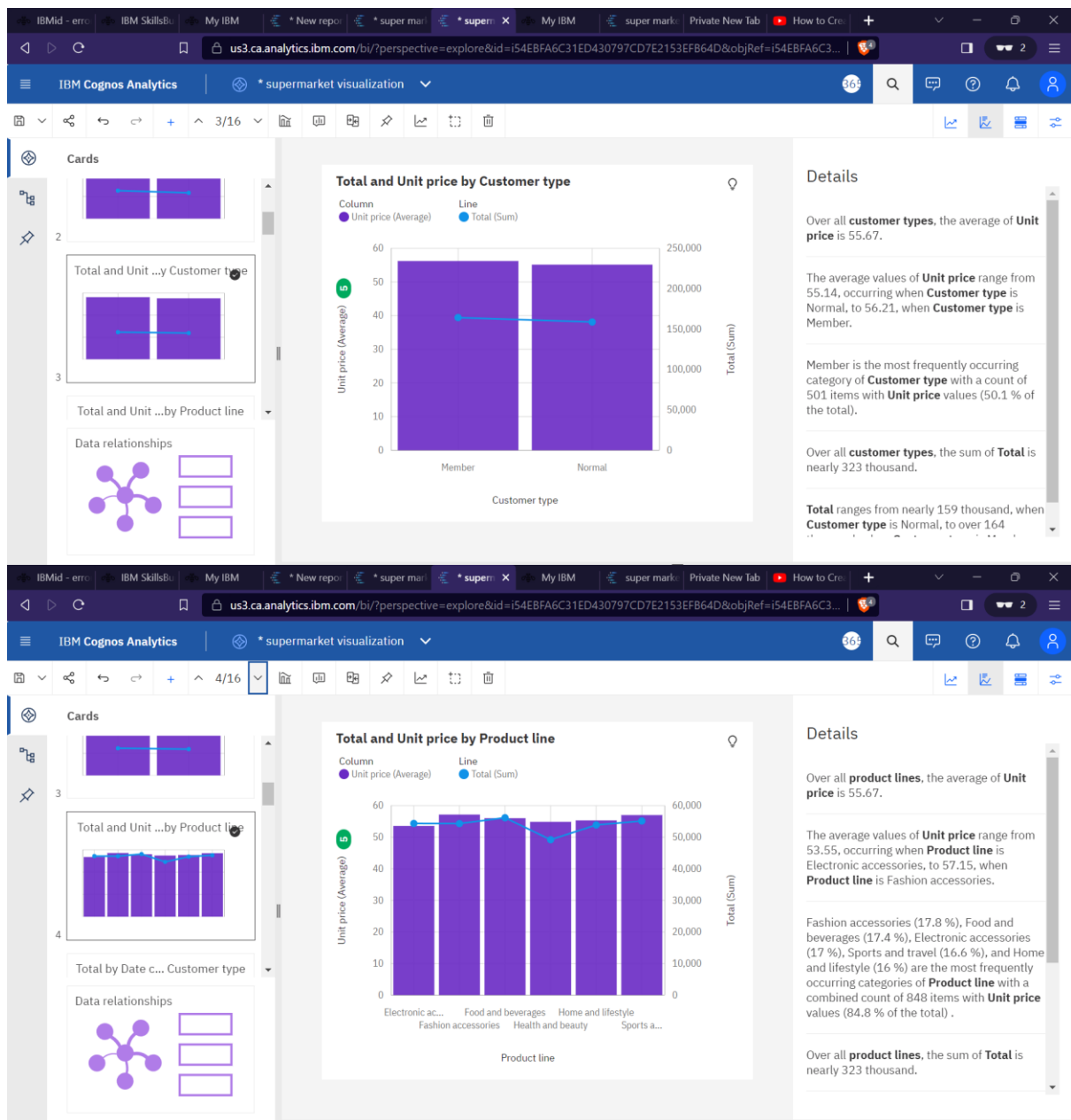
**Details**

No details found

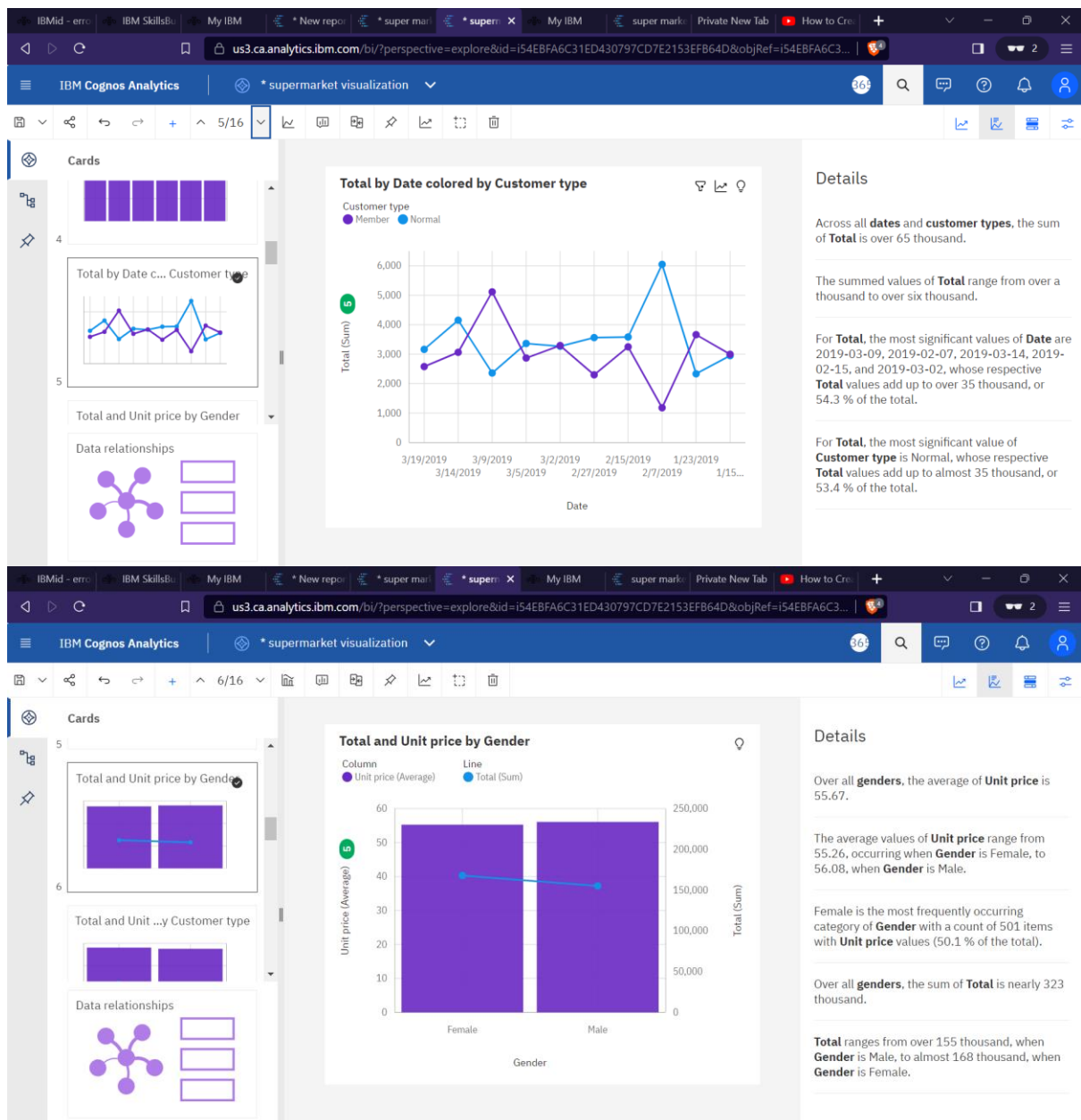
No details were found for this visualization.

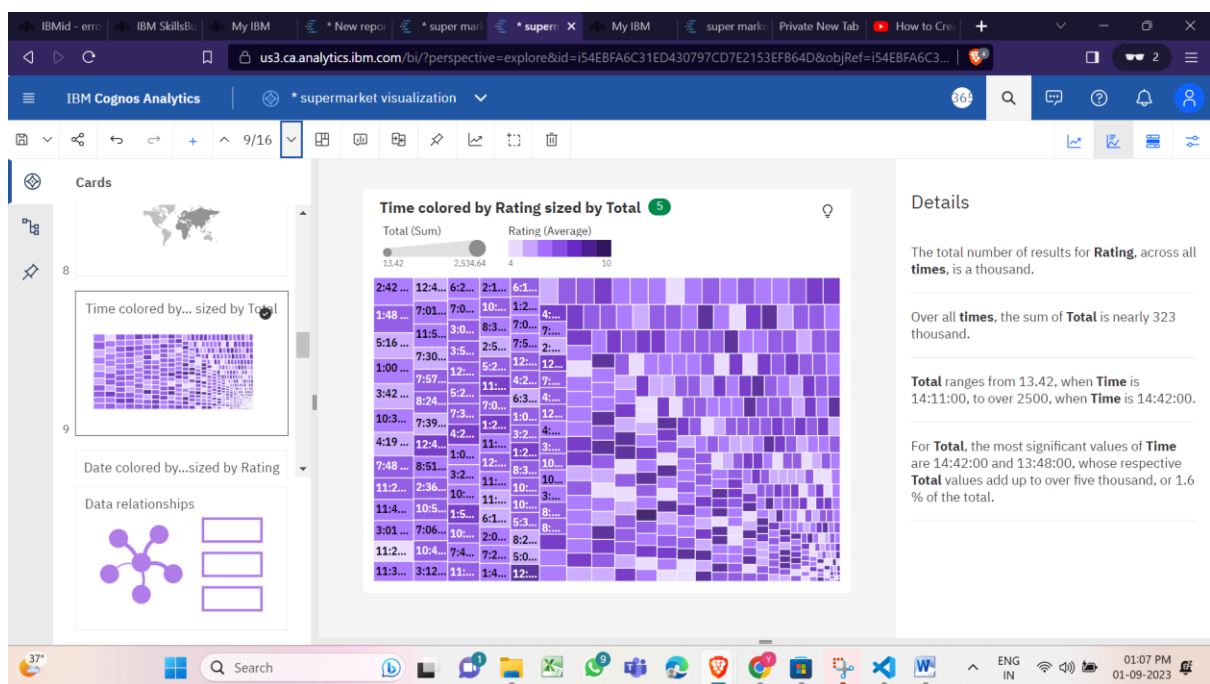
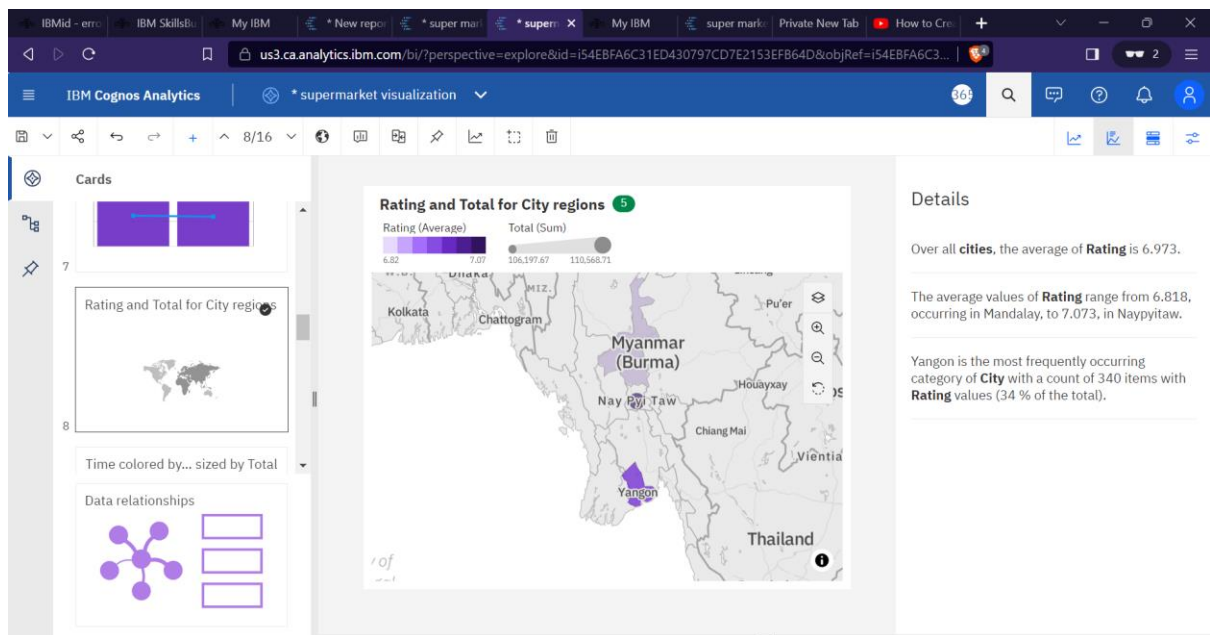
## SUPERMARKET VISUALIZATION:

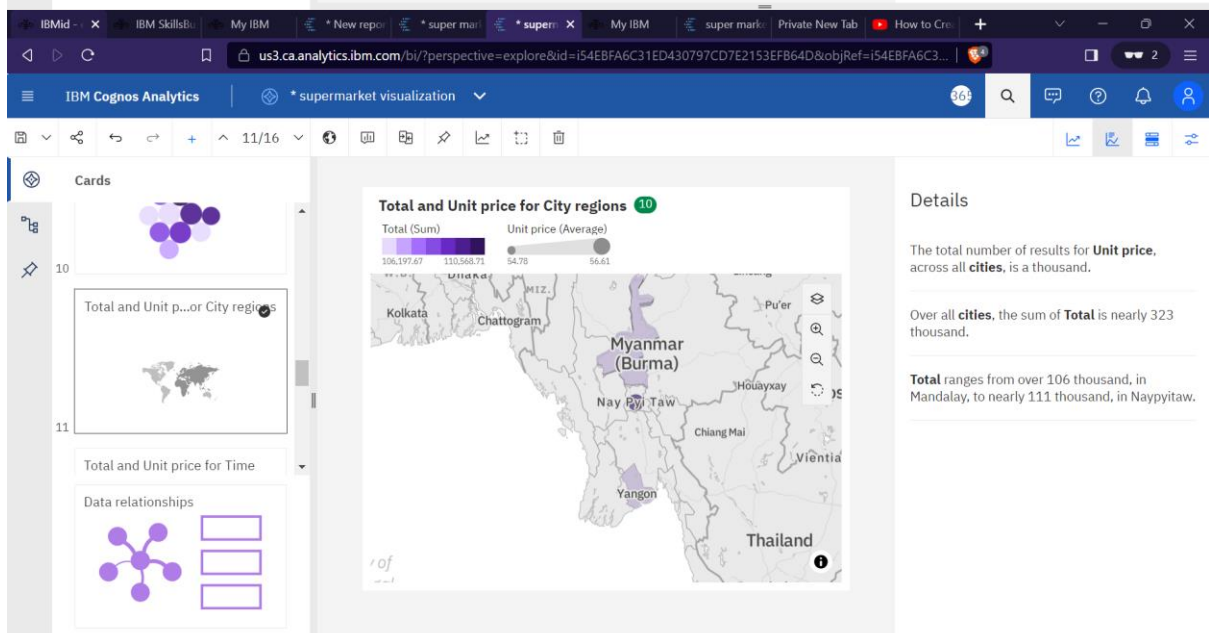
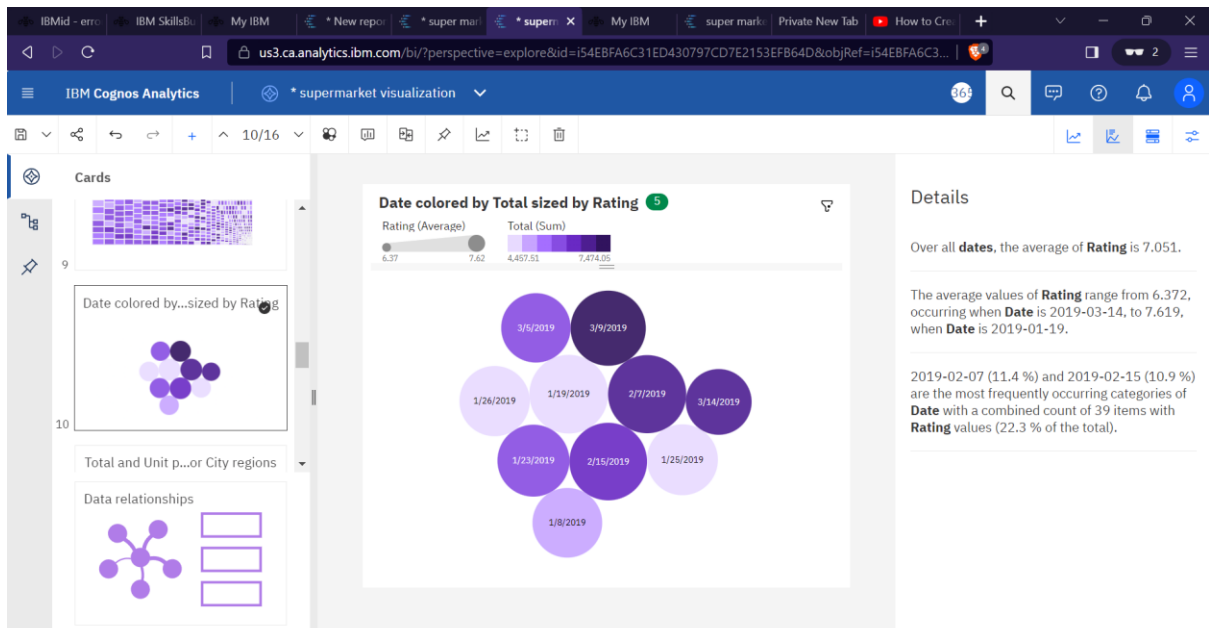


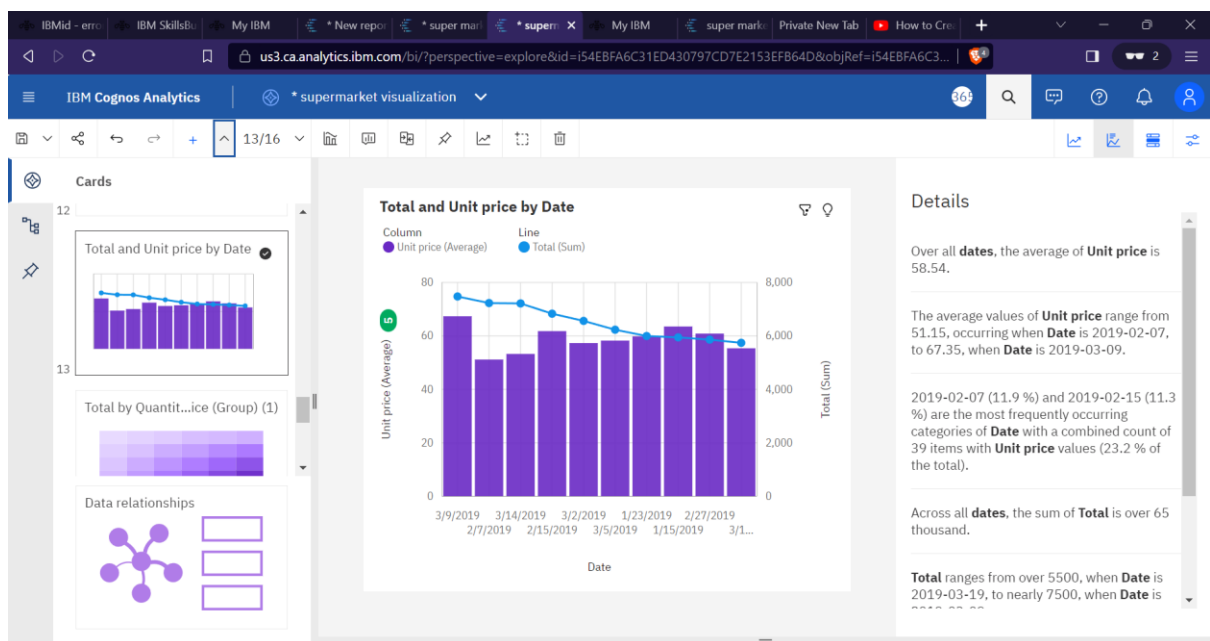
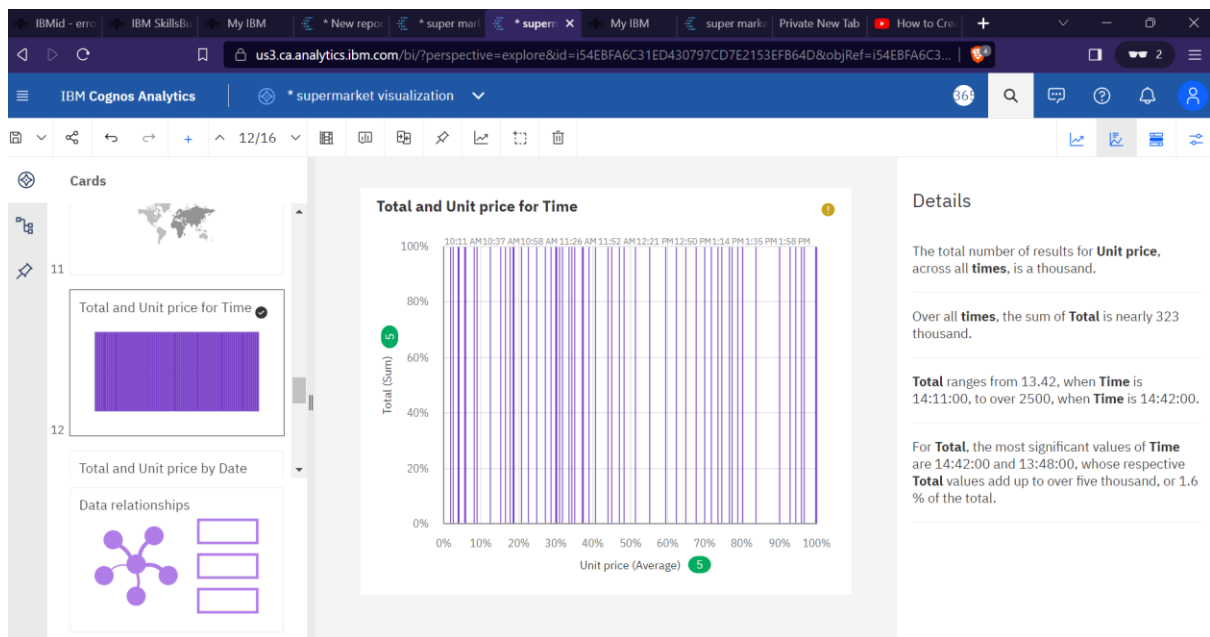


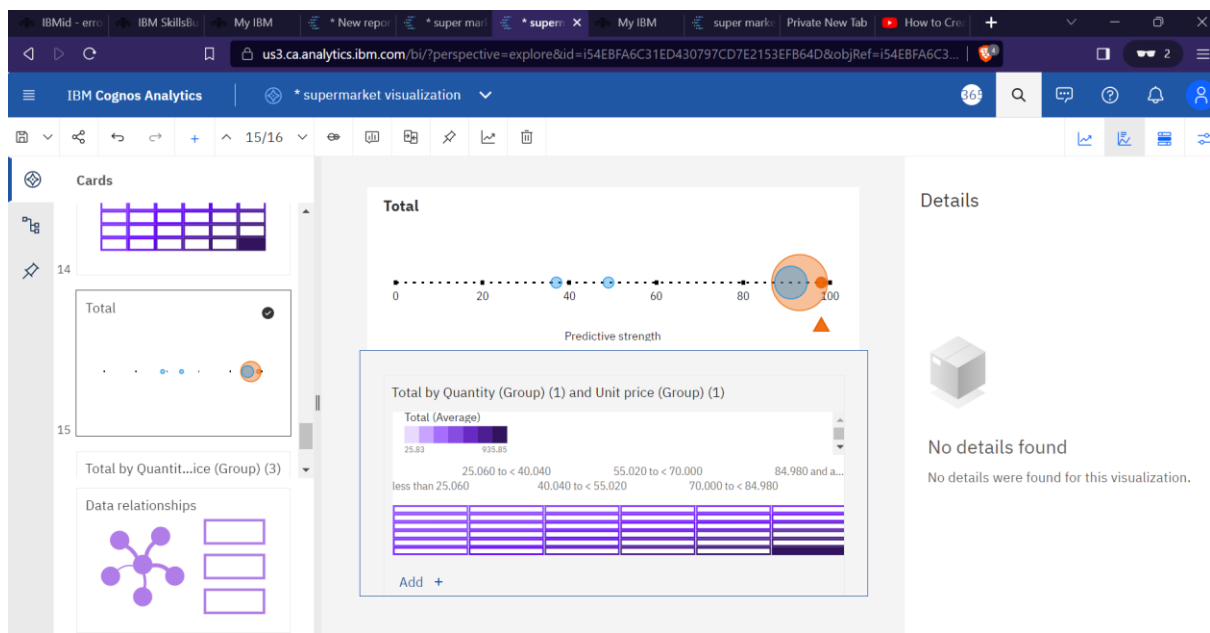
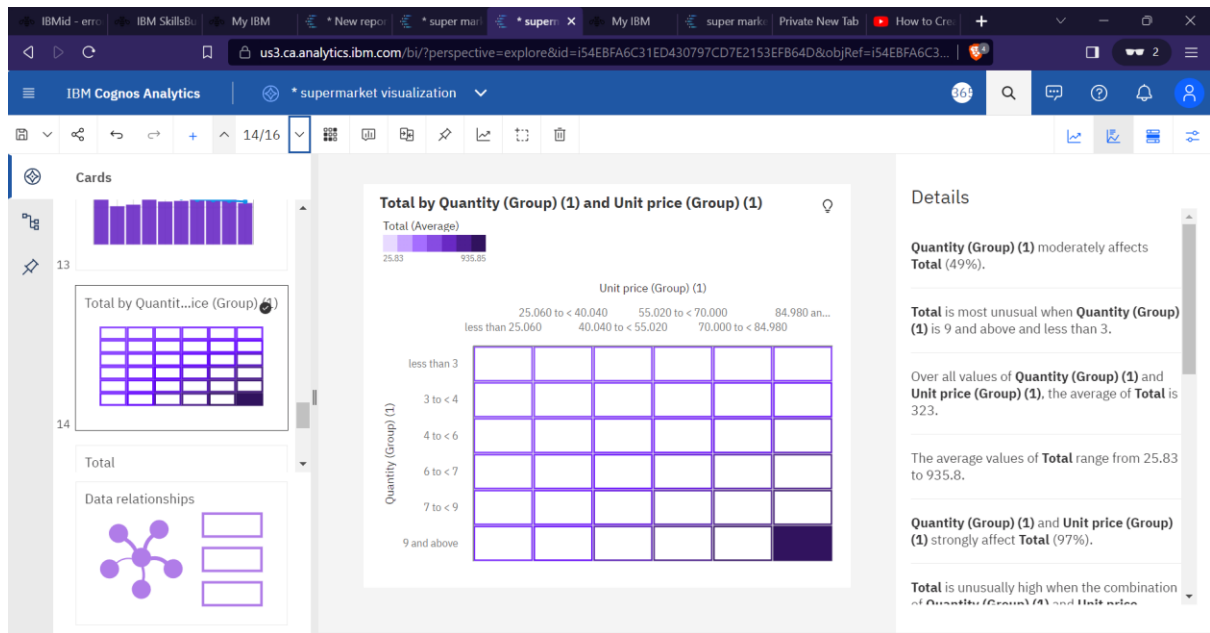




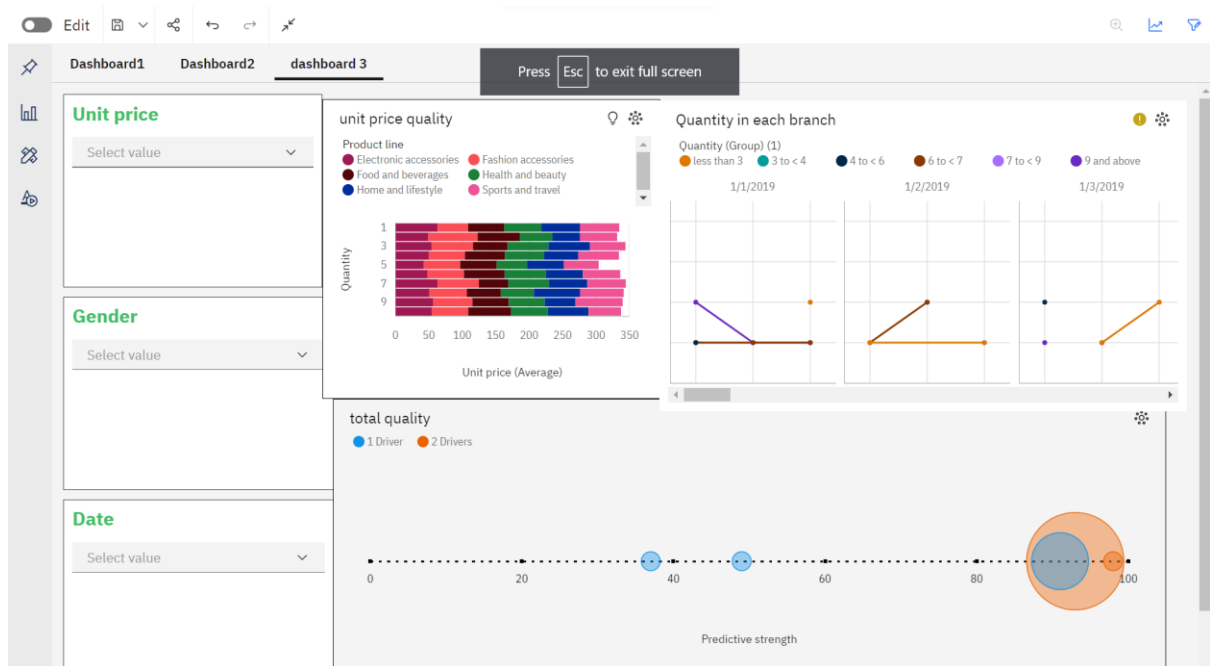
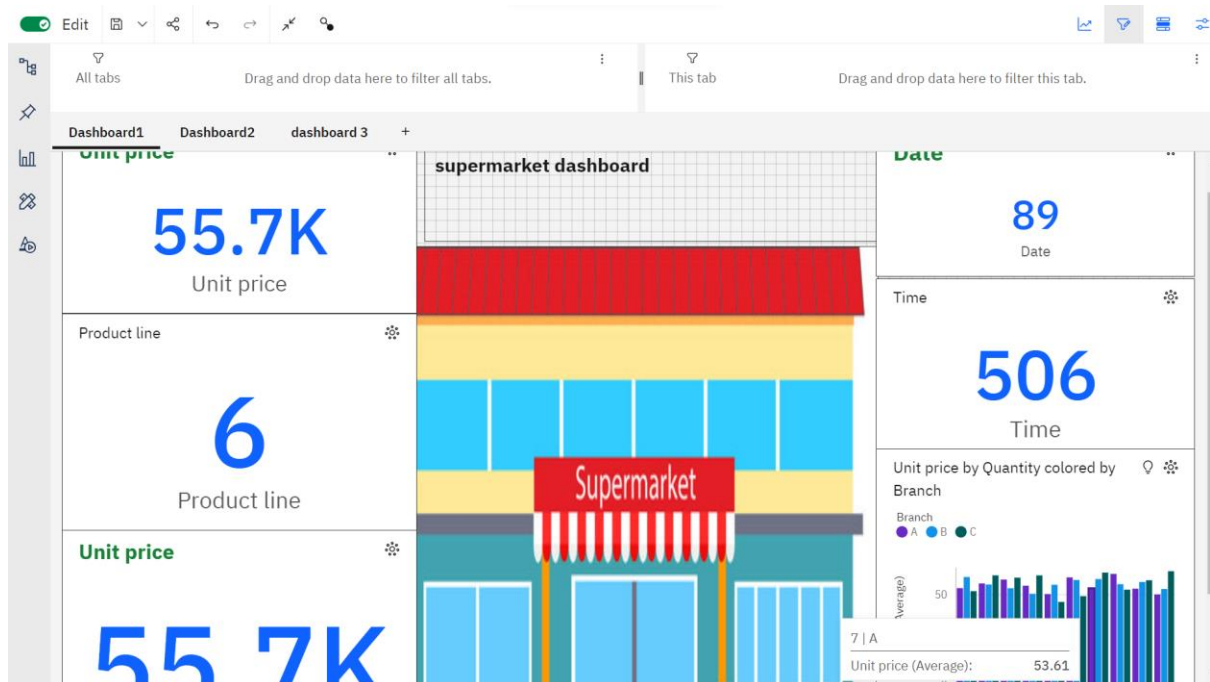








## SUPERMARKET DASHBOARD:



## SUPERMARKET REPORT:

