

ASSIGNMENT 1

Step 1: Uploading the dataset.

The screenshot shows the IBM Cognos Analytics interface. At the top, there's a header with the IBM logo and navigation links. Below the header, there's a section titled "Get quick answers with the Assistant" with a text input field and a "Ask a question" button. To the right of this section is a large blue speech bubble icon. Below the assistant section, there's a "Recent" tab selected, showing a table of uploaded content. The table has columns for Name, Location, Type, and Last Accessed. The first row is "supermarket_sales - Sheet1.csv" with a "CSV" icon, located in "My content", of type "Uploaded file", last accessed on "10/27/2023, 2:18 AM". The second row is "supermarket exploration" located in "My content", of type "Dashboard", last accessed on "10/23/2023, 5:45 AM".

| Name | Location | Type | Last Accessed |
|--------------------------------|------------|---------------|---------------------|
| supermarket_sales - Sheet1.csv | My content | Uploaded file | 10/27/2023, 2:18 AM |
| supermarket exploration | My content | Dashboard | 10/23/2023, 5:45 AM |

Step 2: After uploading the dataset

The screenshot shows the IBM Cognos Analytics interface after uploading the dataset. The "Recent" tab is selected, showing a grid of content items. The items are arranged in two rows. The first row contains "supermarket_sales - Sheet1.csv" (with a "CSV" icon), "Supermarket data module", "Supermarket data exploration", "HRDataset_y14.csv" (with a "CSV" icon), "HR SAMPLE DATA", and "HR dashboard". The second row contains the same items with their respective last accessed dates and icons. The "Last Accessed" dates are: "10/27/2023, 6:25 AM" for "supermarket_sales - Sheet1.csv", "10/27/2023, 6:26 AM" for "Supermarket data module", "10/27/2023, 6:12 AM" for "Supermarket data exploration", "10/23/2023, 4:54 AM" for "HRDataset_y14.csv", "10/27/2023, 3:26 AM" for "HR SAMPLE DATA", and "10/27/2023, 3:19 AM" for "HR dashboard".

| Name | Last Accessed | Type |
|--------------------------------|---------------------|-----------|
| supermarket_sales - Sheet1.csv | 10/27/2023, 6:25 AM | CSV |
| Supermarket data module | 10/27/2023, 6:26 AM | Module |
| Supermarket data exploration | 10/27/2023, 6:12 AM | Dashboard |
| HRDataset_y14.csv | 10/23/2023, 4:54 AM | CSV |
| HR SAMPLE DATA | 10/27/2023, 3:26 AM | Module |
| HR dashboard | 10/27/2023, 3:19 AM | Dashboard |

Step 3: Creating a custom table to view its definition.

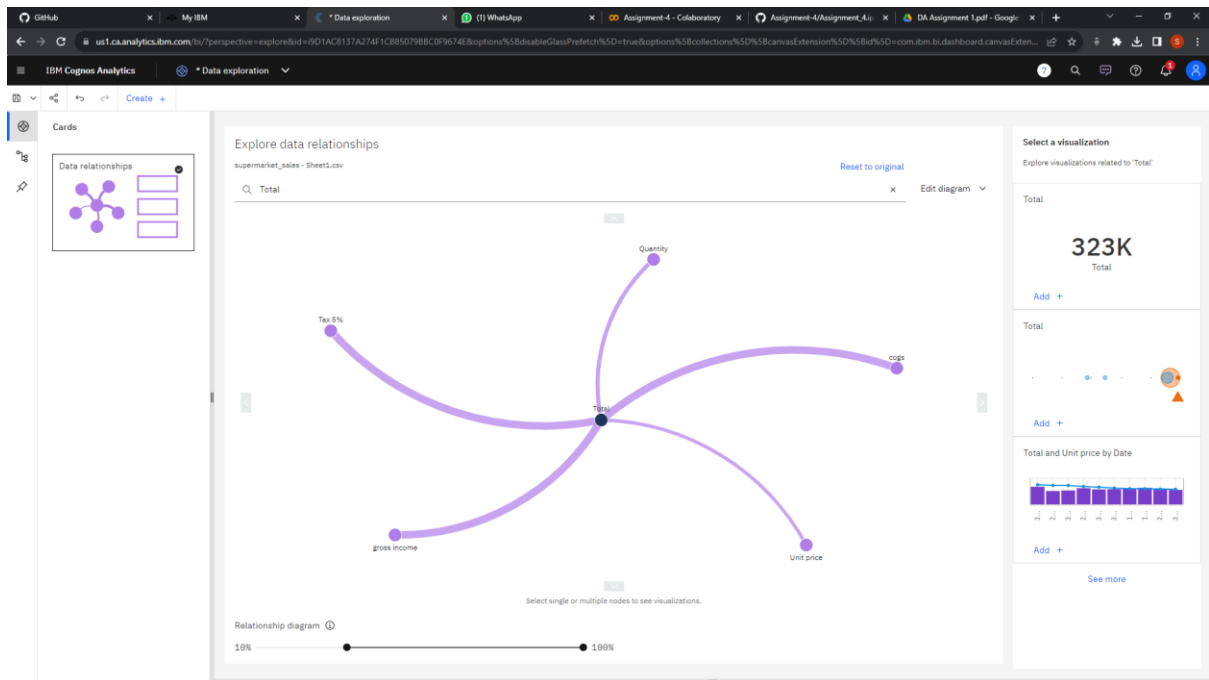
The screenshot shows the IBM Cognos Analytics interface. On the left, the 'Data module' pane lists the 'supermarket_sales - Sheet1.csv' table. The main area displays the 'Custom tables' tab, showing the 'supermarket_sales - Sheet1.csv - View (1)' table. The table's schema is visible, listing columns such as Row Id, Invoice ID, Branch, City, Customer type, Gender, Product line, Unit price, Quantity, Tax 5%, Total, Date, Time, Payment, cogs, gross mar...centage, gross income, and Rating.

Step 4: Cleaning the unnecessary data in the dataset.

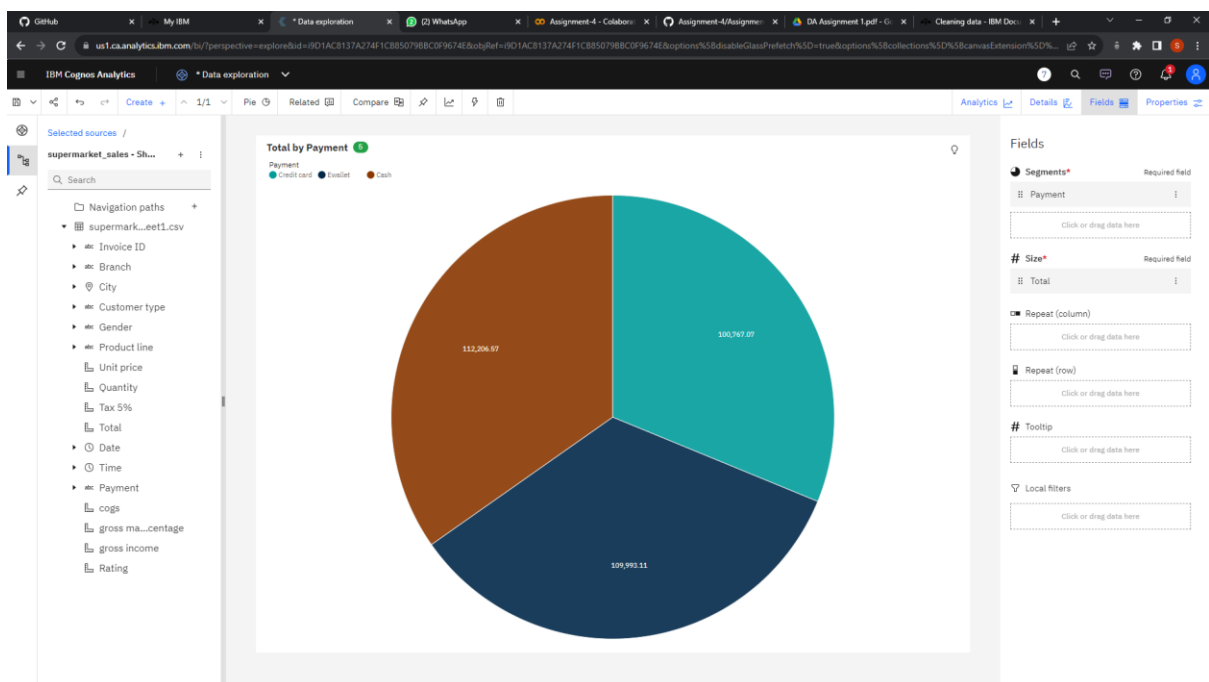
The screenshot shows the IBM Cognos Analytics interface. The 'Grid' view of the 'supermarket_sales - Sheet1.csv' table is displayed, showing columns: Row Id, Invoice ID, Branch, City, Customer type, Gender, Product line. The 'Properties' pane on the right shows the 'Filters' tab with 'Row Id' selected. The table data is as follows:

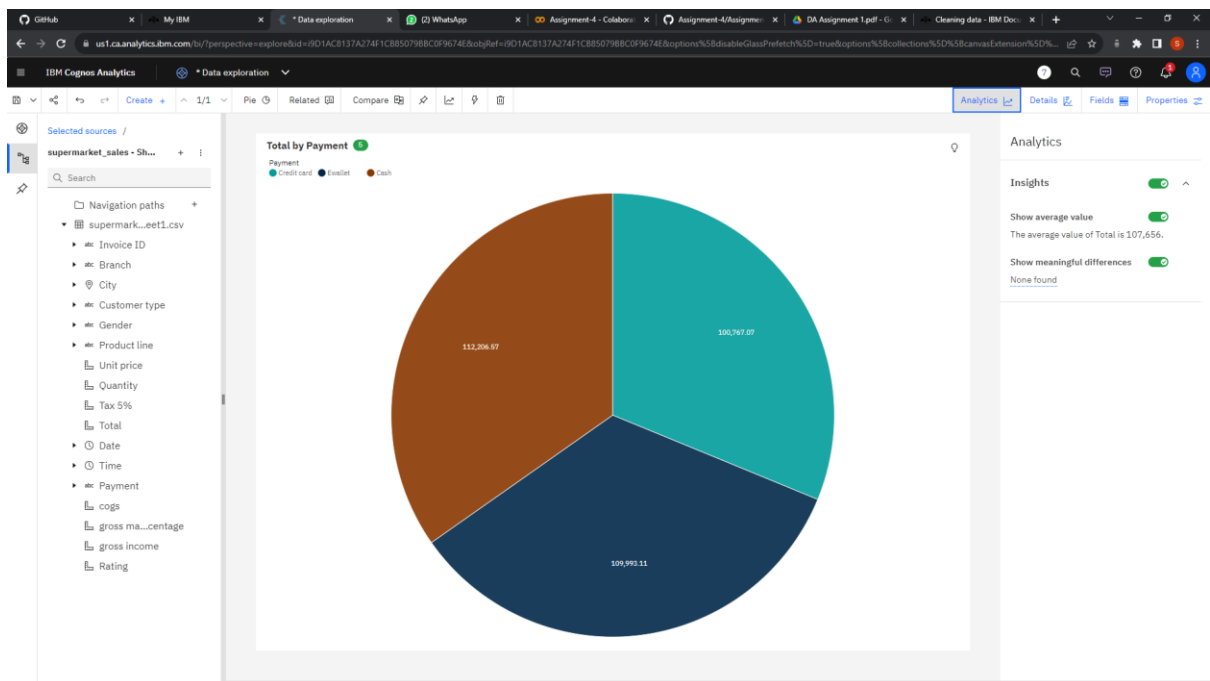
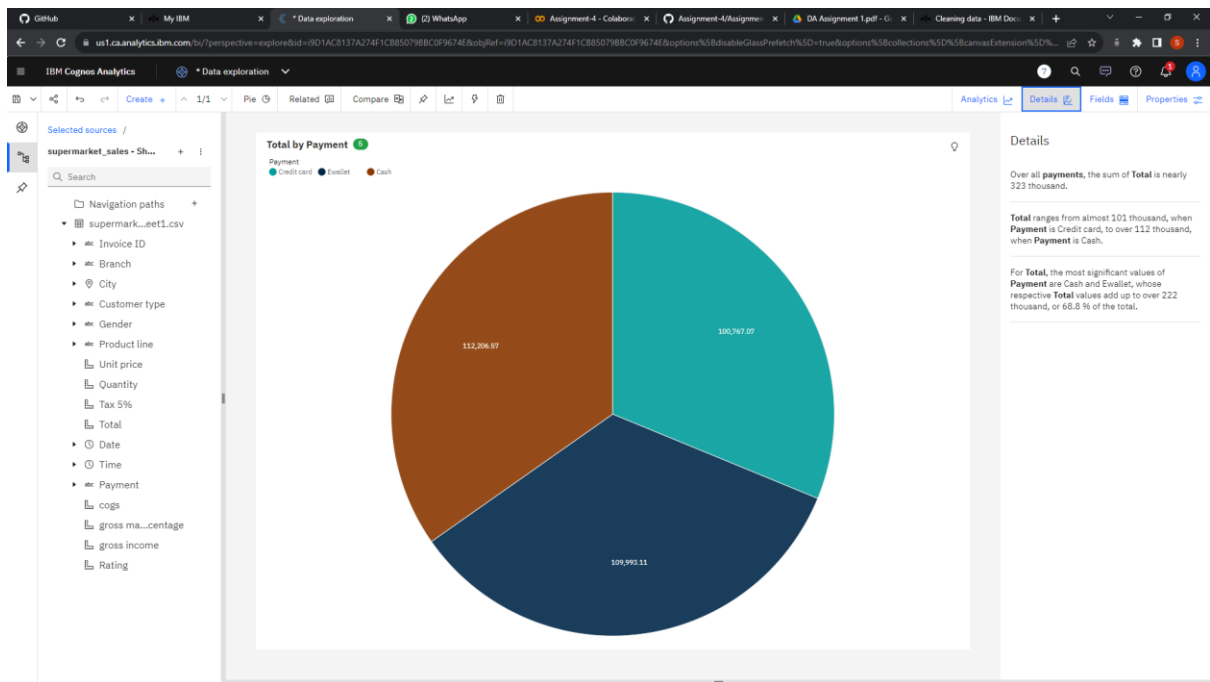
| Row Id | Invoice ID | Branch | City | Customer type | Gender | Product line |
|--------|-------------|--------|-----------|---------------|--------|---------------------|
| 57 | 106-35-6779 | A | Yangon | Member | Male | Home and lifestyle |
| 68 | 109-28-2512 | B | Mandalay | Member | Female | Fashion accessories |
| 163 | 101-17-6199 | A | Yangon | Normal | Male | Food and beverages |
| 170 | 105-31-1824 | A | Yangon | Member | Male | Sports and travel |
| 256 | 110-48-7033 | B | Mandalay | Member | Male | Fashion accessories |
| 401 | 110-05-6330 | C | Naypyitaw | Normal | Female | Food and beverages |
| 684 | 105-10-6182 | A | Yangon | Member | Male | Fashion accessories |
| 777 | 102-77-2261 | C | Naypyitaw | Member | Male | Health and beauty |
| 779 | 102-06-2002 | C | Naypyitaw | Member | Male | Sports and travel |
| 825 | 109-86-4363 | B | Mandalay | Member | Female | Sports and travel |
| 868 | 101-81-4070 | C | Naypyitaw | Member | Female | Health and beauty |

Step 5: Data Exploration.

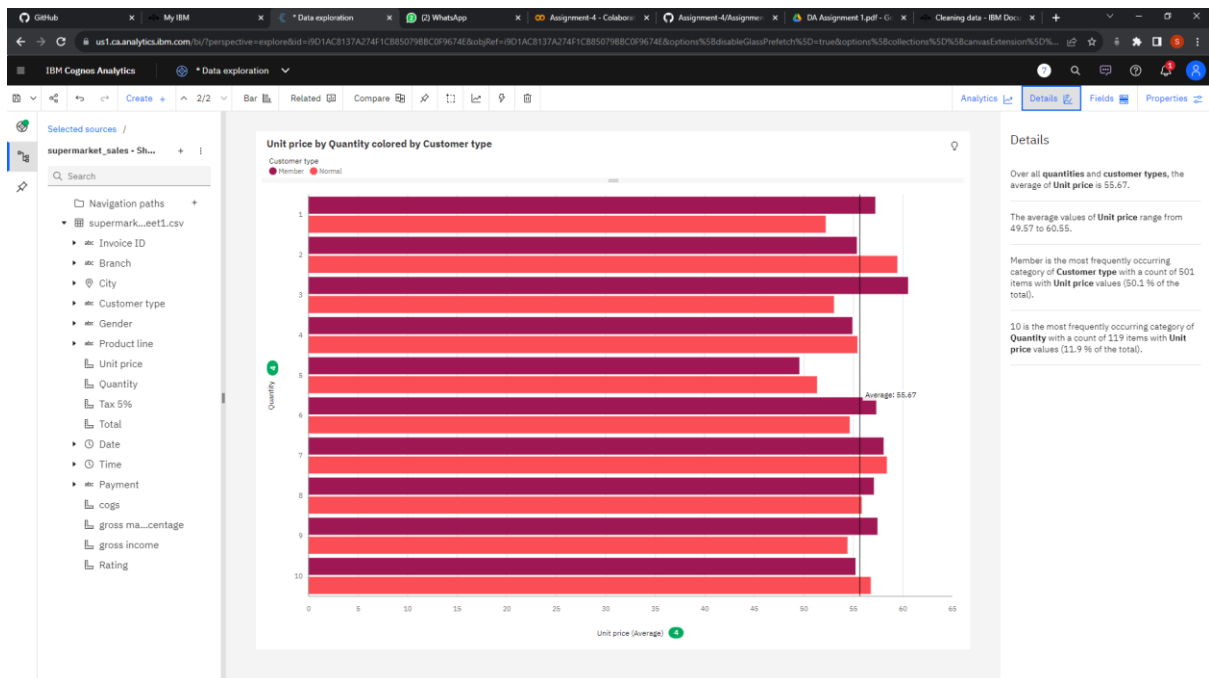
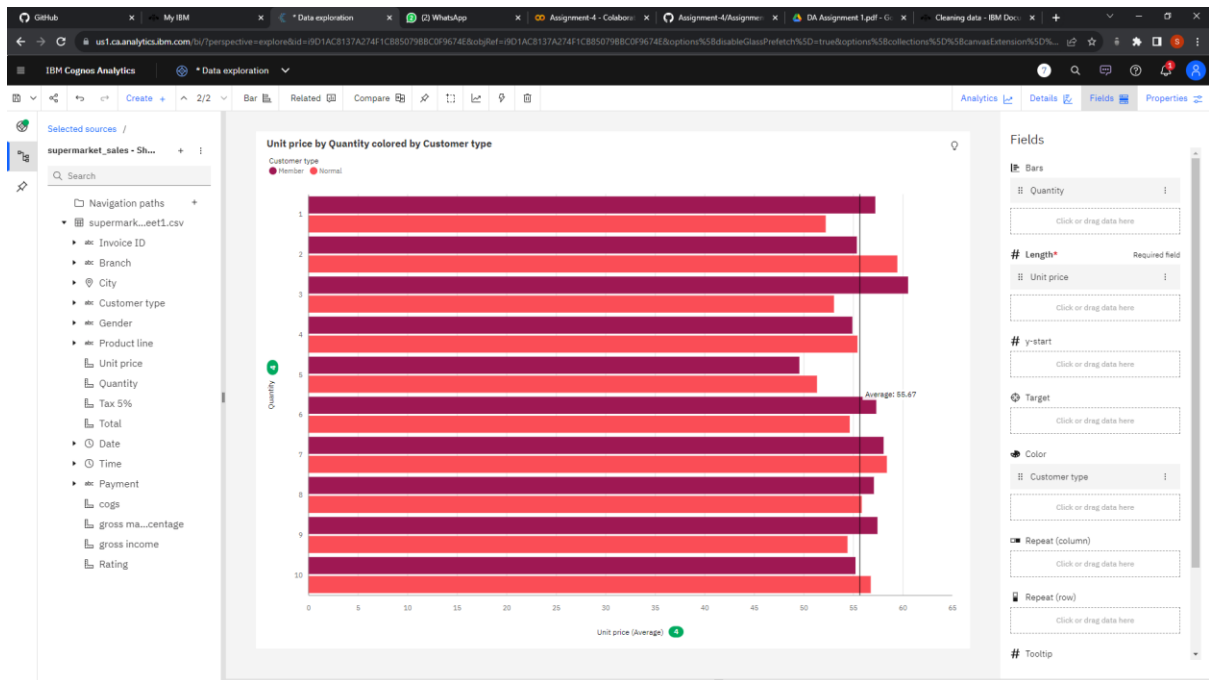


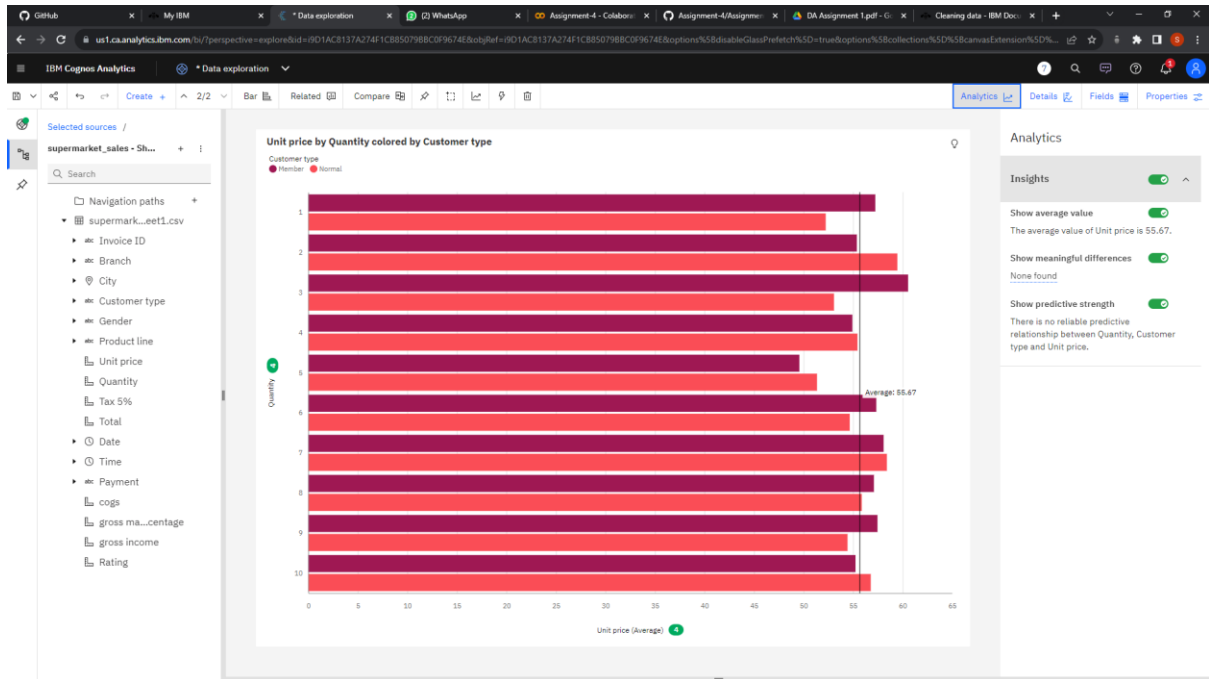
Step 6: Total by Payment.



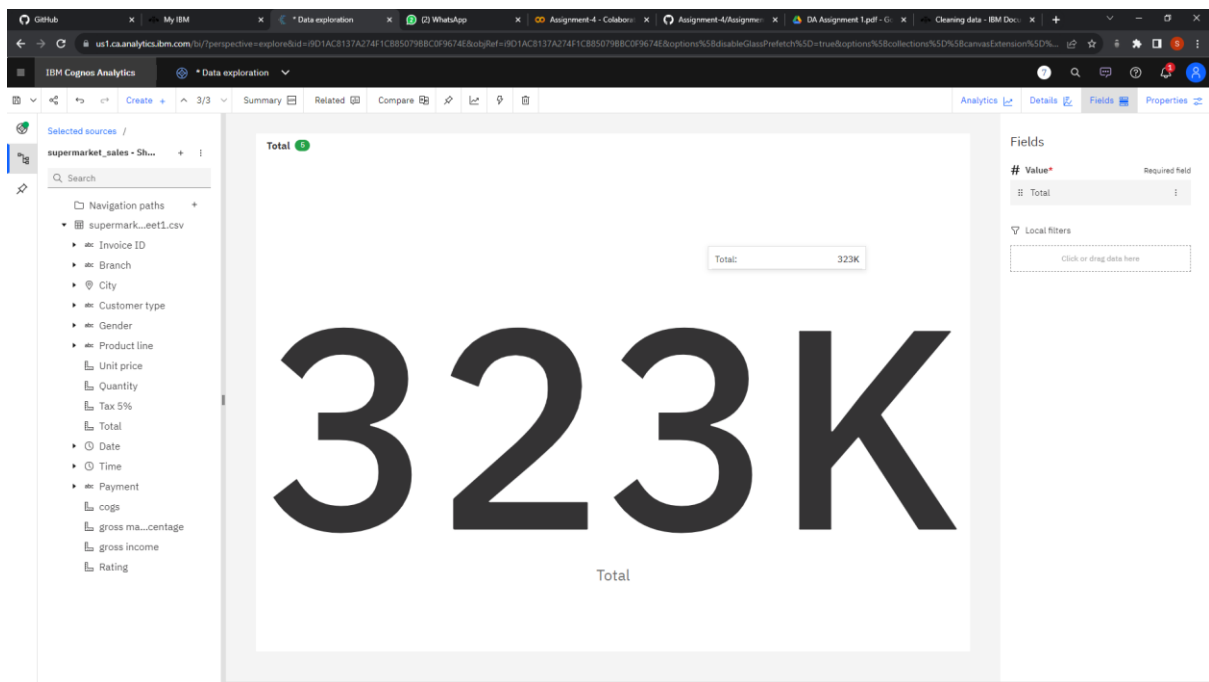


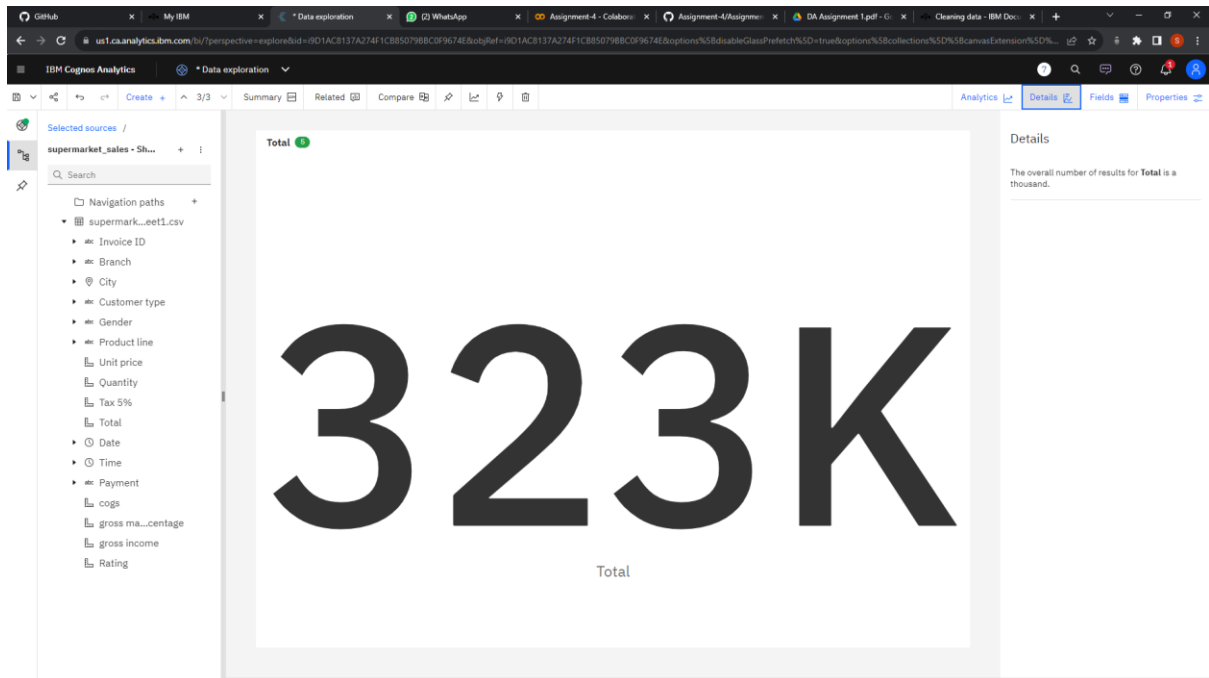
Step 7: Unit Price by Quantity colored by Customer Type



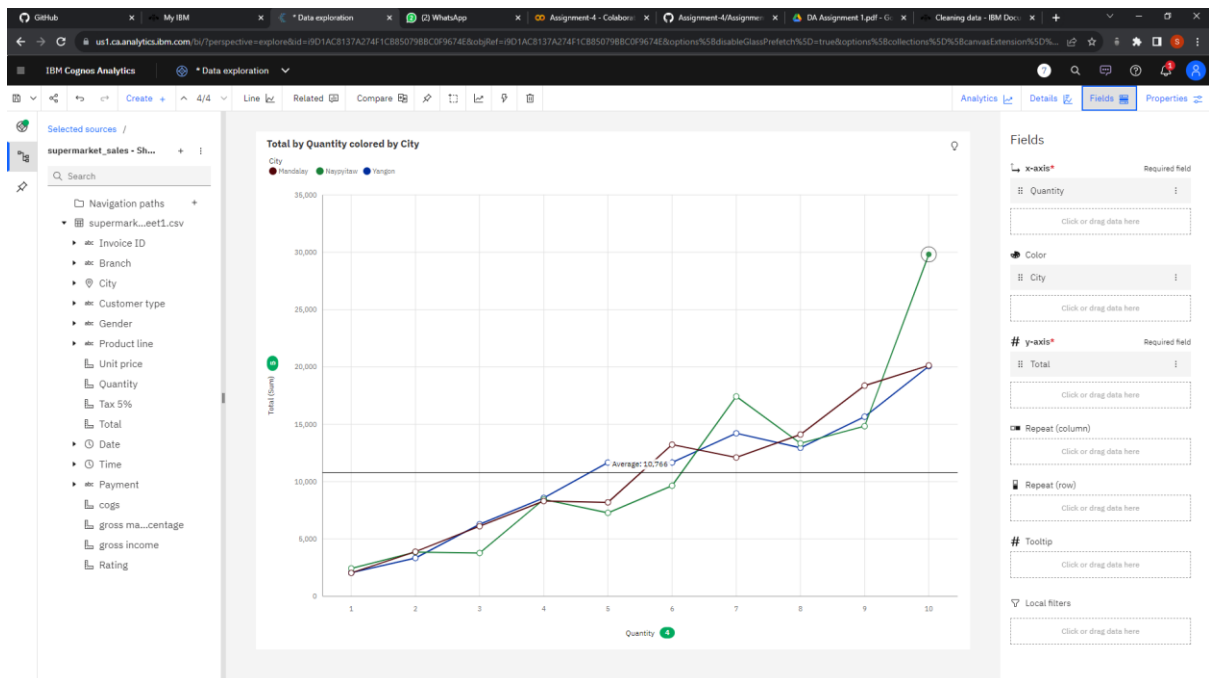


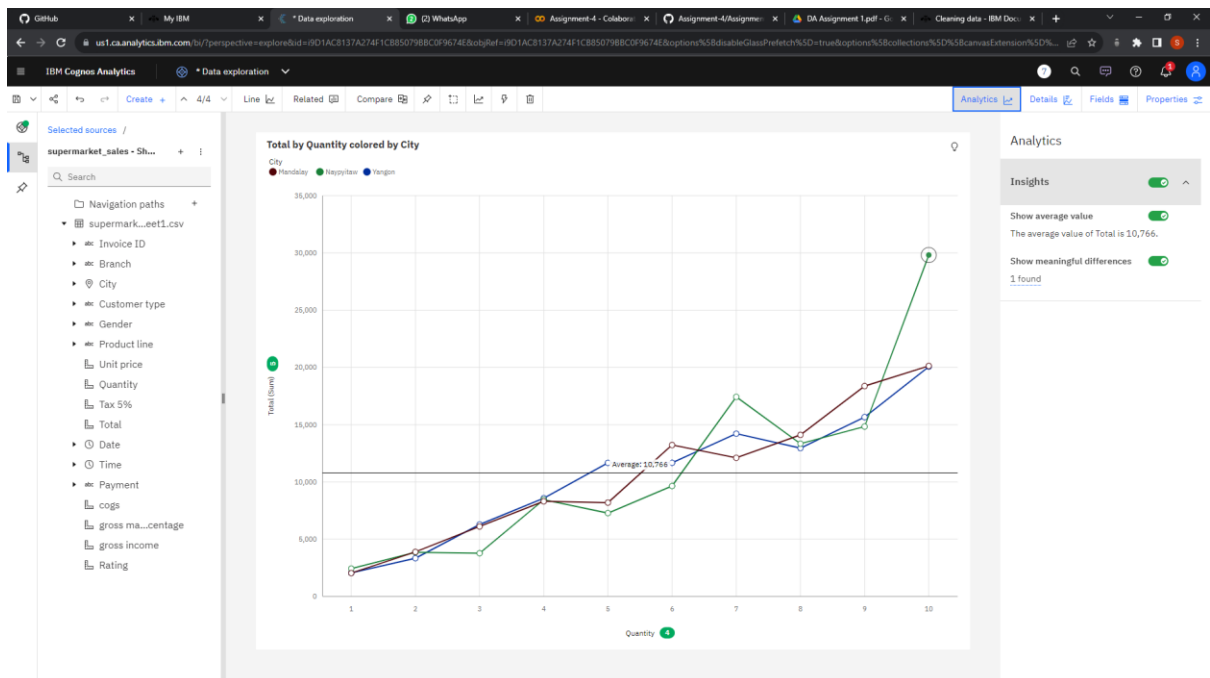
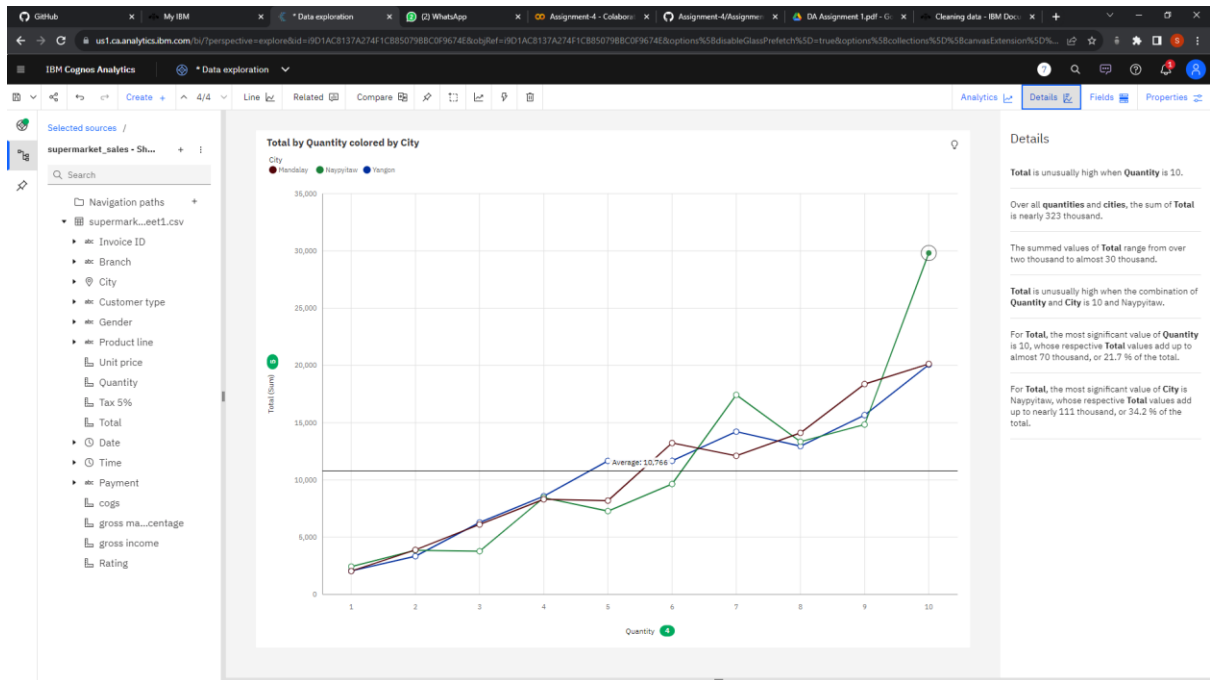
Step 8: Summary of total





Step 9: Total by Quantity colored by City





Step 10: Total by Branch, City and Payment colored by Branch

