

# ASSIGNMENT-1

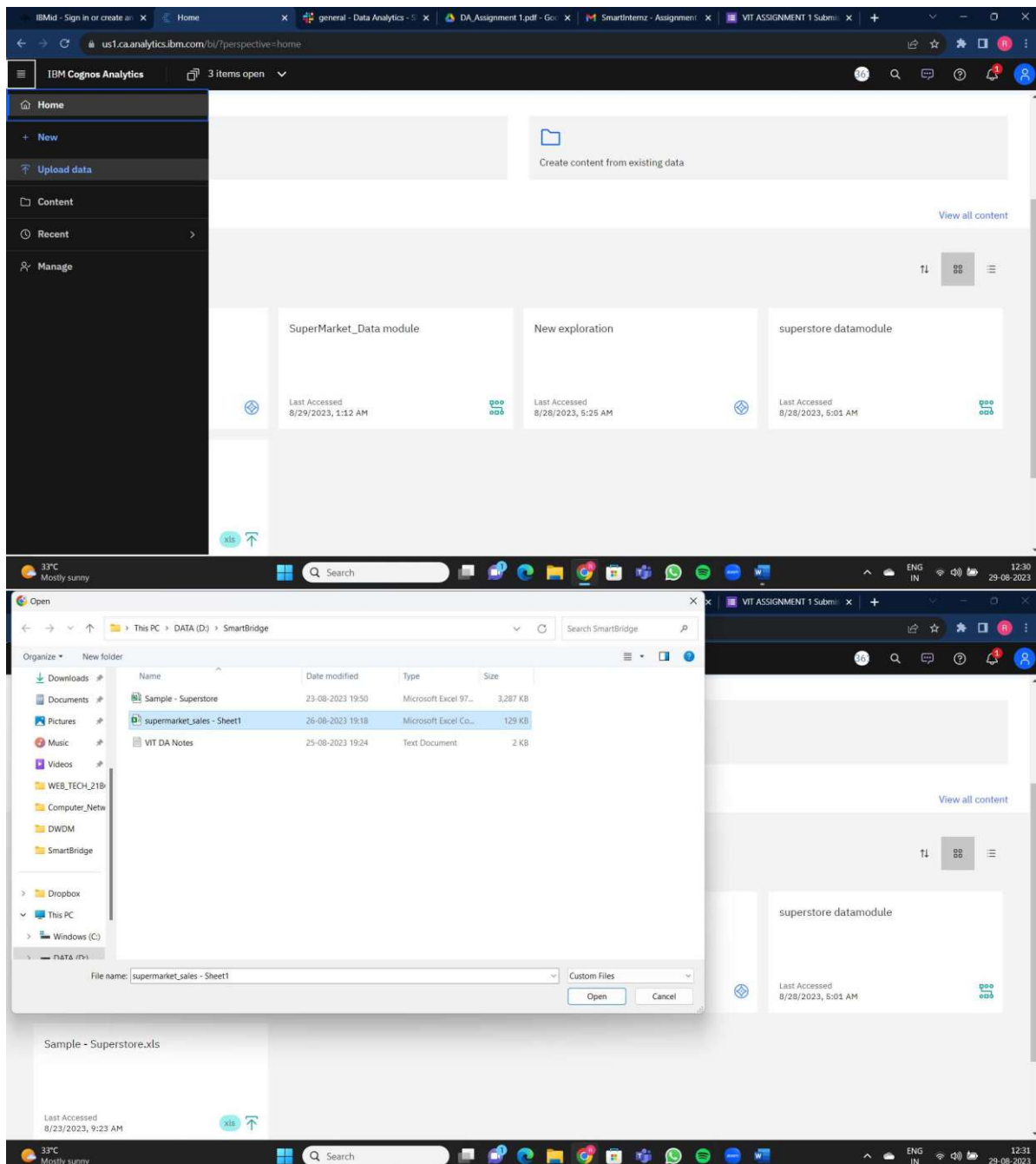
## IBM COGNOS ANALYTICS

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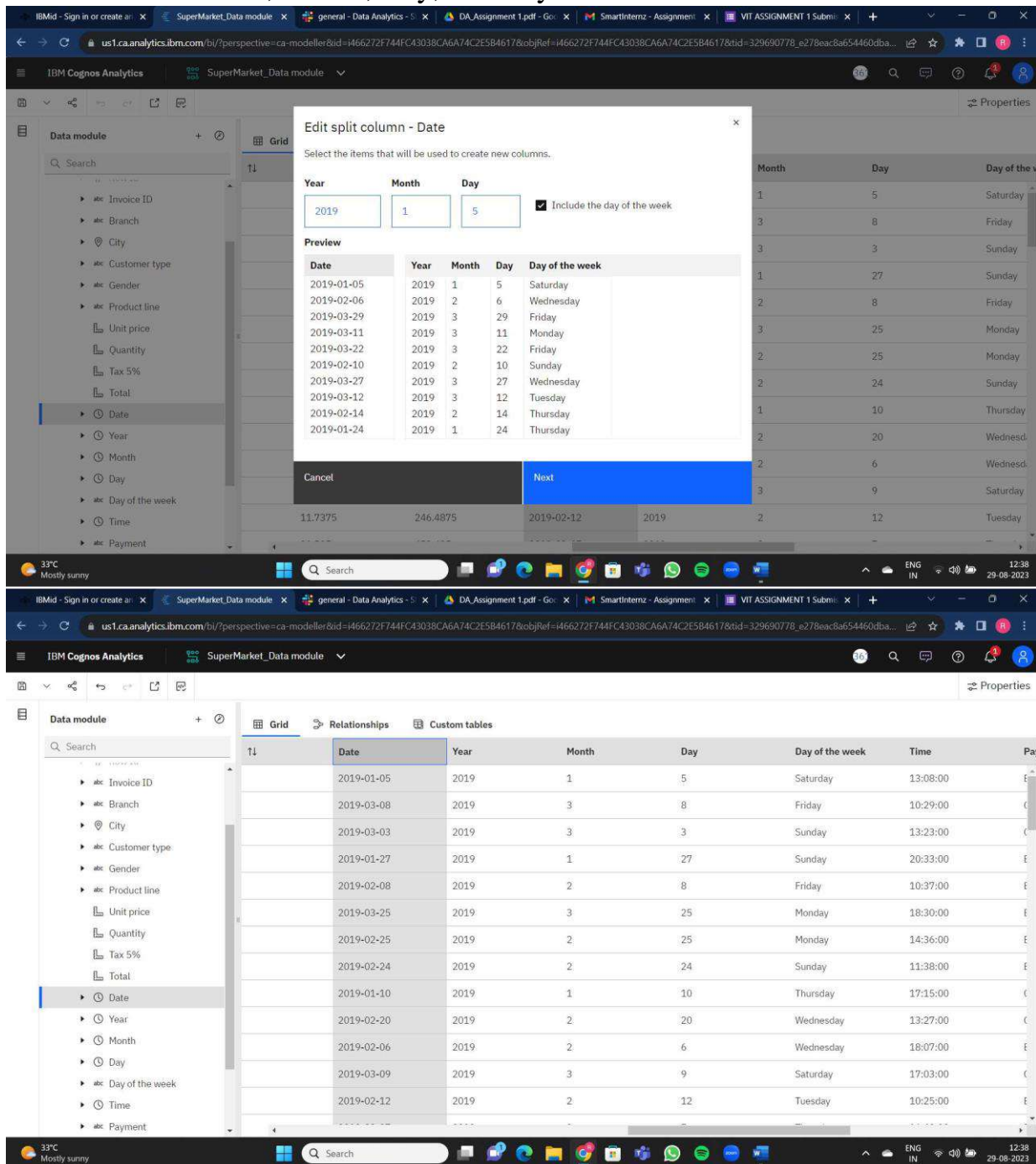
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Step 1:uploading data set supermarket to Cognos analytics



## Step 2: Creating Data Module for the data set Supermarket sales and splitting the column Date to Year, Month, Day, and Day of the week



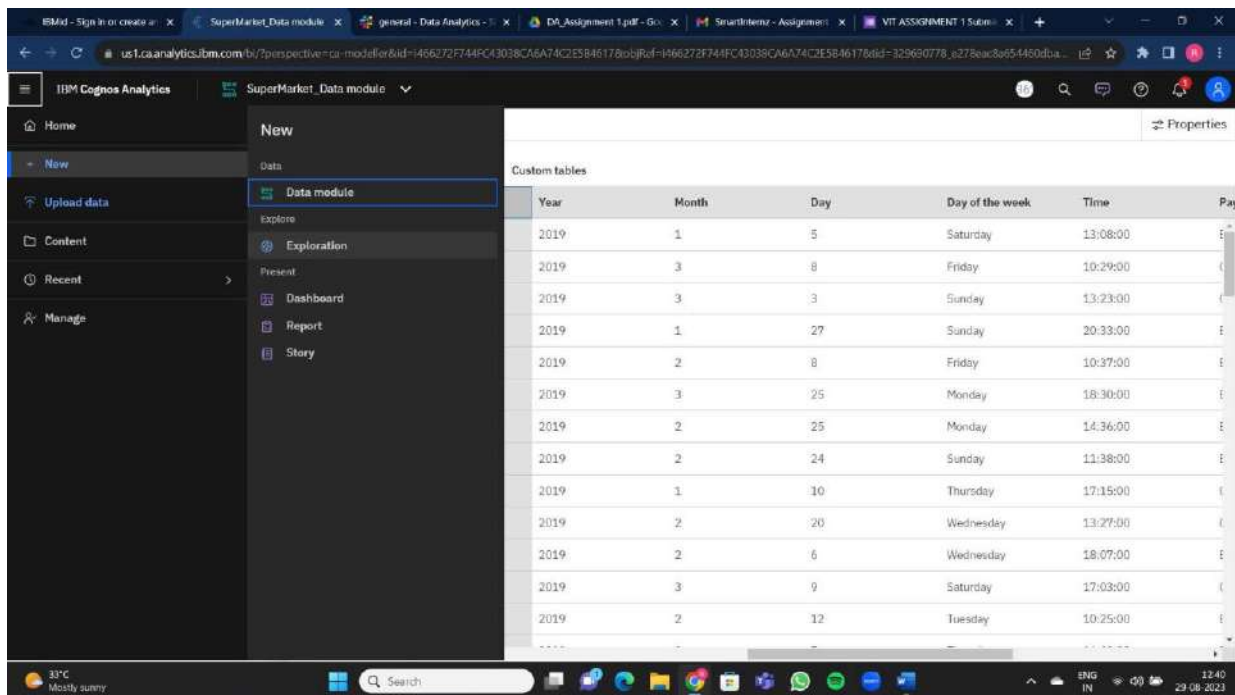
The screenshot displays the IBM Cognos Analytics interface. A dialog box titled "Edit split column - Date" is open, allowing the user to split the "Date" column into its constituent parts. The dialog includes input fields for "Year" (2019), "Month" (1), and "Day" (5), along with a checkbox for "Include the day of the week" which is checked. A preview table shows the resulting data structure with columns for Date, Year, Month, Day, and Day of the week.

Date	Year	Month	Day	Day of the week
2019-01-05	2019	1	5	Saturday
2019-02-06	2019	2	6	Wednesday
2019-03-29	2019	3	29	Friday
2019-03-11	2019	3	11	Monday
2019-03-22	2019	3	22	Friday
2019-02-10	2019	2	10	Sunday
2019-03-27	2019	3	27	Wednesday
2019-03-12	2019	3	12	Tuesday
2019-02-14	2019	2	14	Thursday
2019-01-24	2019	1	24	Thursday

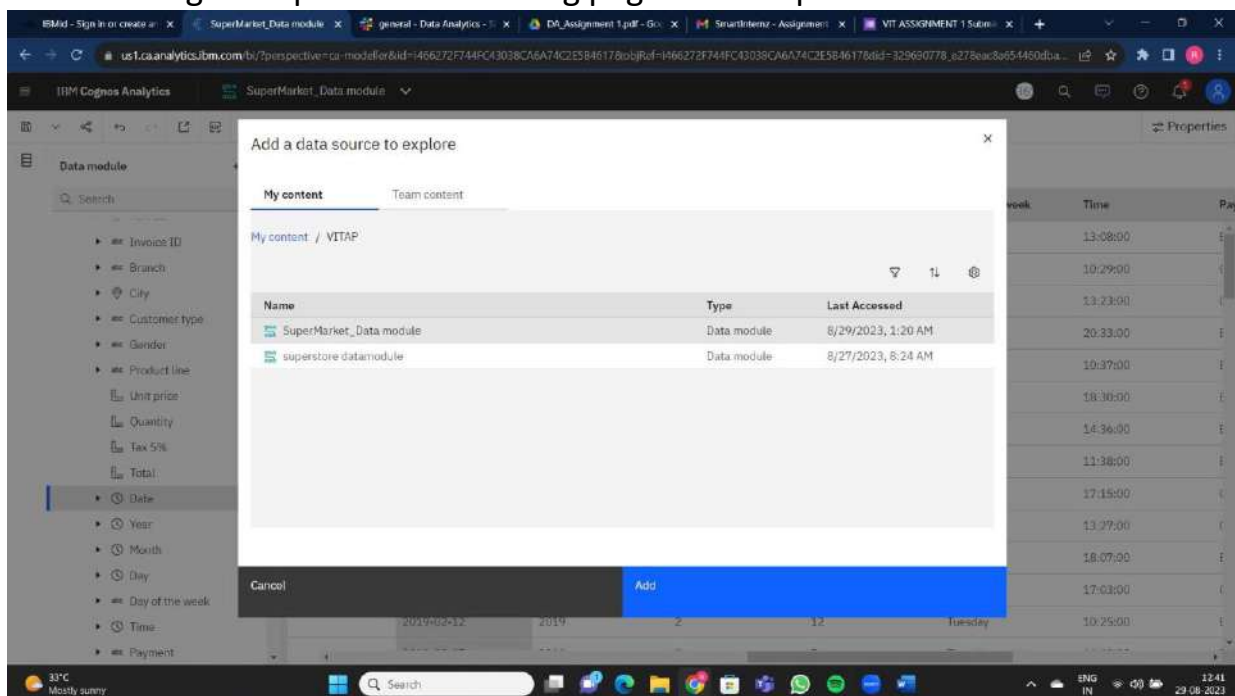
The main interface shows the "Data module" pane on the left with a search bar and a list of fields including Invoice ID, Branch, City, Customer type, Gender, Product line, Unit price, Quantity, Tax 5%, Total, Date, Year, Month, Day, Day of the week, Time, and Payment. The "Grid" view is selected, showing a table with columns for Date, Year, Month, Day, Day of the week, Time, and Payment. The table contains 10 rows of data.

Date	Year	Month	Day	Day of the week	Time	Payment
2019-01-05	2019	1	5	Saturday	13:08:00	E
2019-03-08	2019	3	8	Friday	10:29:00	C
2019-03-03	2019	3	3	Sunday	13:23:00	C
2019-01-27	2019	1	27	Sunday	20:33:00	E
2019-02-08	2019	2	8	Friday	10:37:00	E
2019-03-25	2019	3	25	Monday	18:30:00	E
2019-02-25	2019	2	25	Monday	14:36:00	E
2019-02-24	2019	2	24	Sunday	11:38:00	E
2019-01-10	2019	1	10	Thursday	17:15:00	C
2019-02-20	2019	2	20	Wednesday	13:27:00	C
2019-02-06	2019	2	6	Wednesday	18:07:00	E
2019-03-09	2019	3	9	Saturday	17:03:00	C
2019-02-12	2019	2	12	Tuesday	10:25:00	E

## Step 3: Explorations and visualizations of the data module set Supermarket sales



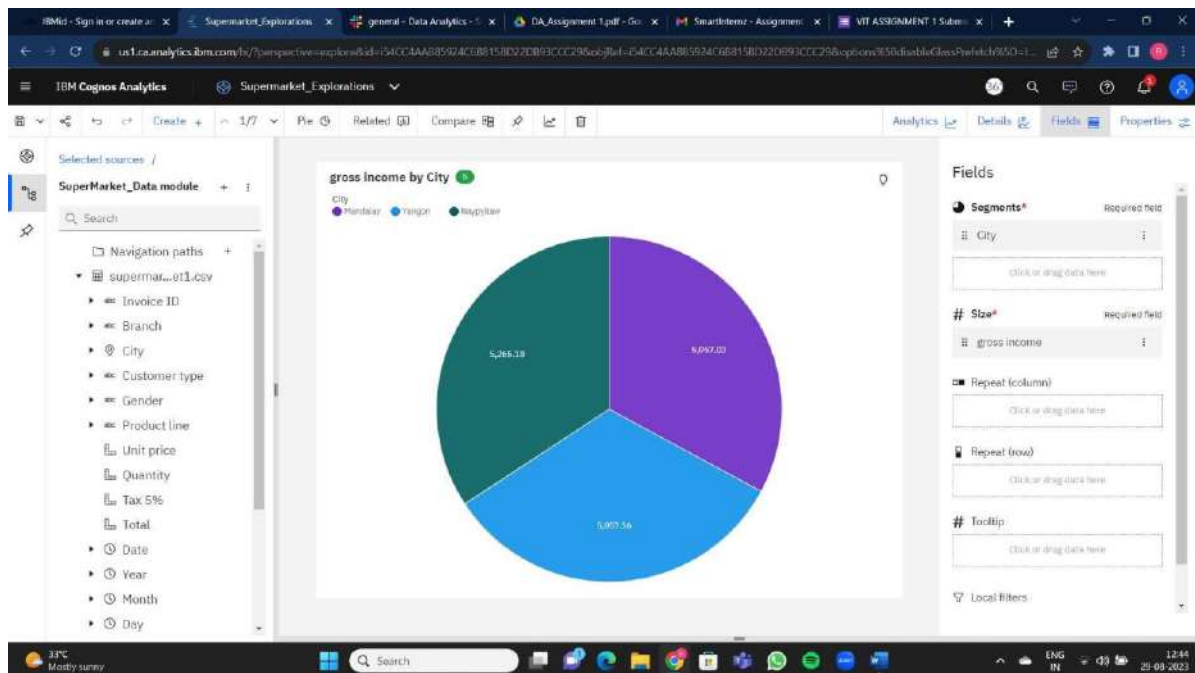
After clicking on exploration following page will be open:



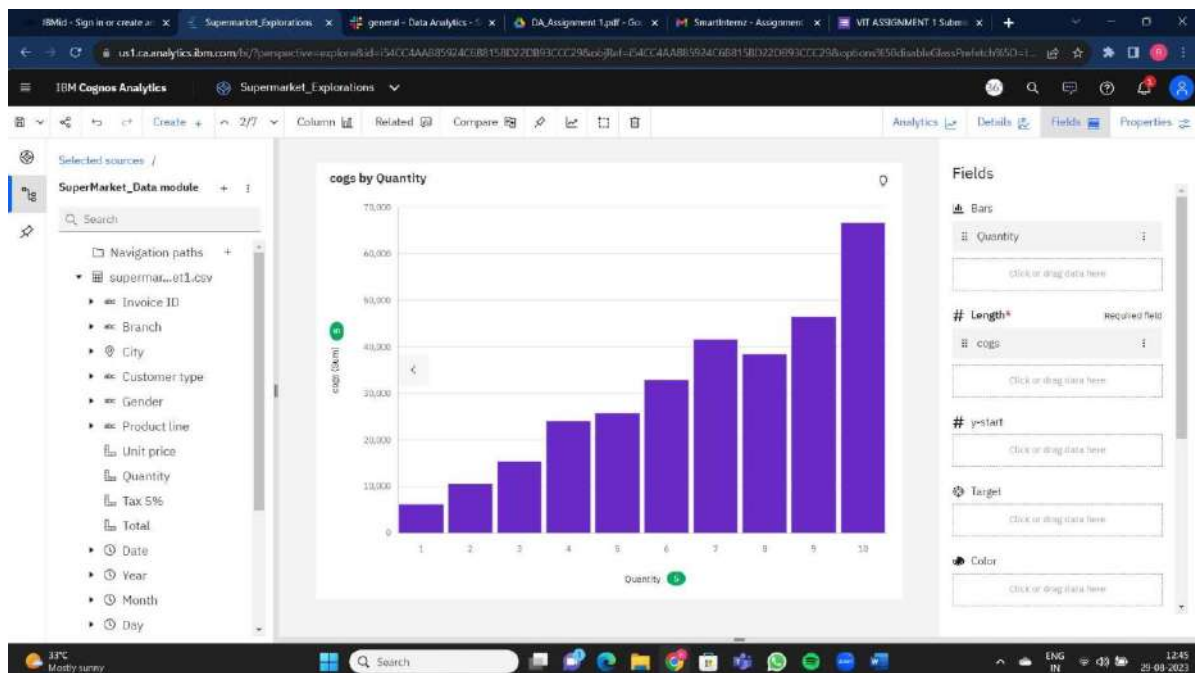
Step 4:After clicking on Add the following page will open.

These are a few explorations of the Data module supermarket sales:

## Pie:



## Column:



Day of the week by Quantity colored by Day of the week

Day of the week

- Friday
- Monday
- Saturday
- Sunday
- Thursday
- Tuesday
- Wednesday

Quantity (sum)

Day of the week

Fields

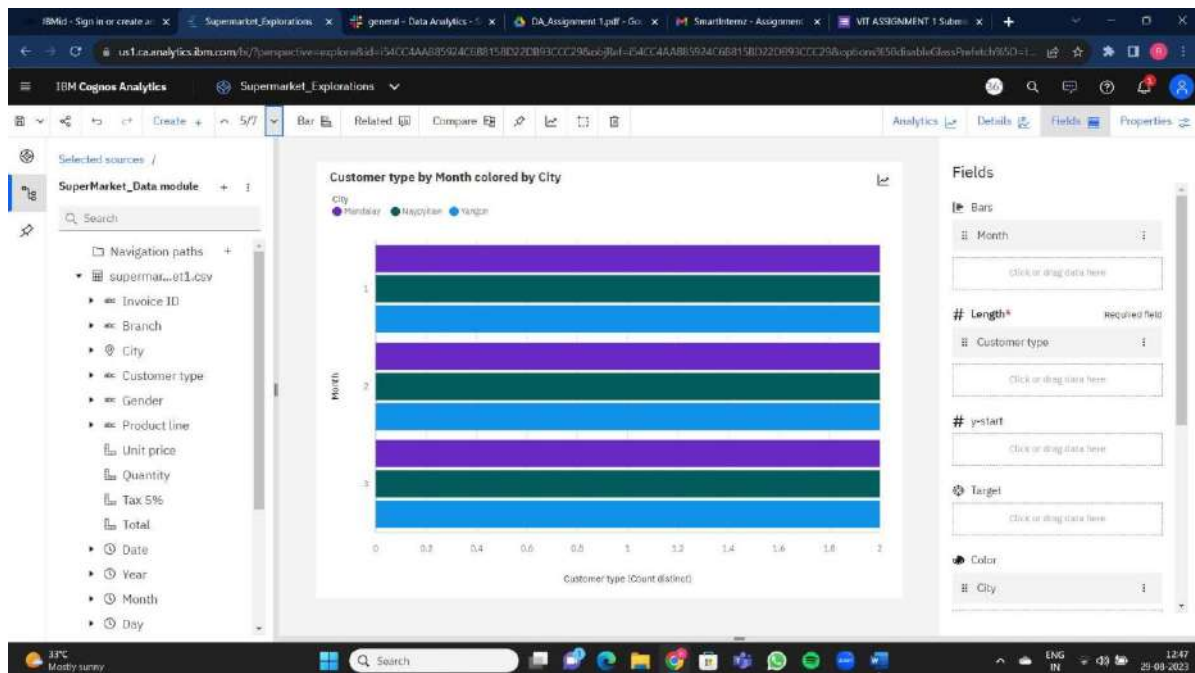
- Points
- x-axis\* Required field
- Day of the week
- y-axis\* Required field
- Quantity
- Color
- Day of the week
- Repeat (column)

Day of the week	Quantity (sum)
Friday	780
Monday	640
Saturday	930
Sunday	790
Thursday	760
Tuesday	860
Wednesday	800

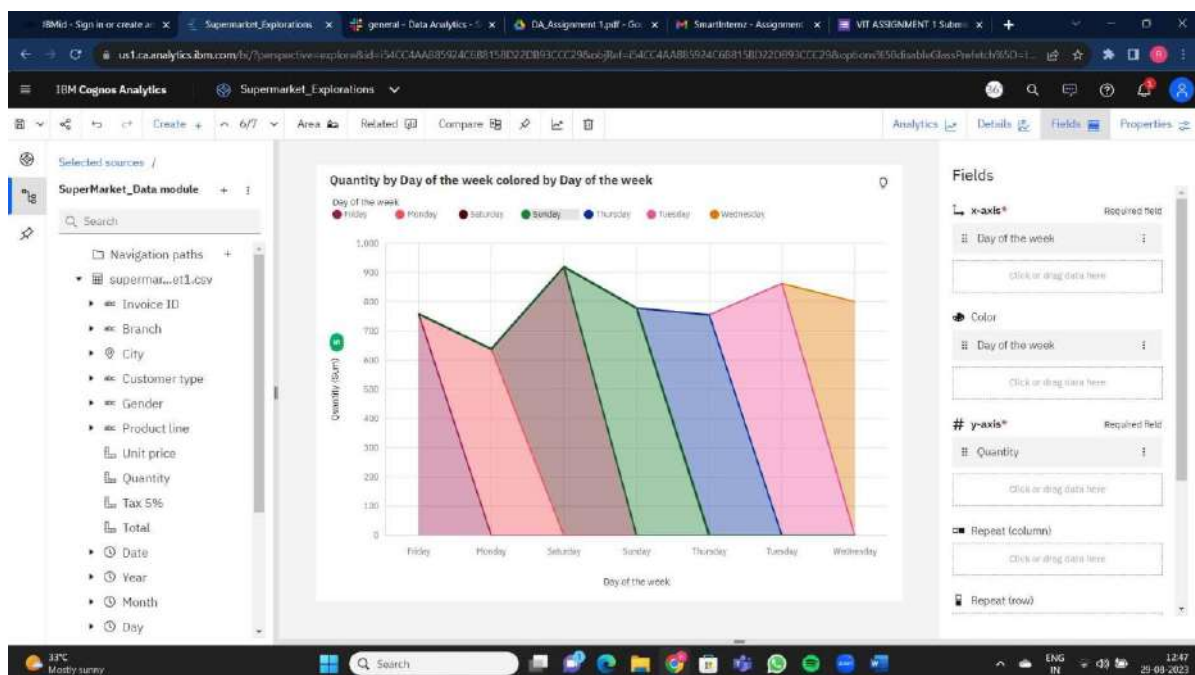
The screenshot displays the IBM Cognos Analytics interface. The main area shows a map titled "Payment and Invoice ID for City regions" of Myanmar (Burma). The map includes a legend for "Invoice ID (Count)" with categories: Payment (blue), Credit card (green), and Cash (orange). The map shows data points for various cities, with Mandalay and Nay Pyi Taw highlighted. The left sidebar shows the "SuperMarket\_Data module" with a list of fields including Invoice ID, Branch, City, Customer type, Gender, Product line, Unit price, Quantity, Tax 5%, Total, Date, Year, Month, and Day. The right sidebar shows the "Fields" section with a list of regions and a "Locations" section with a required field "City" and a "Location color" section with a required field "Payment".



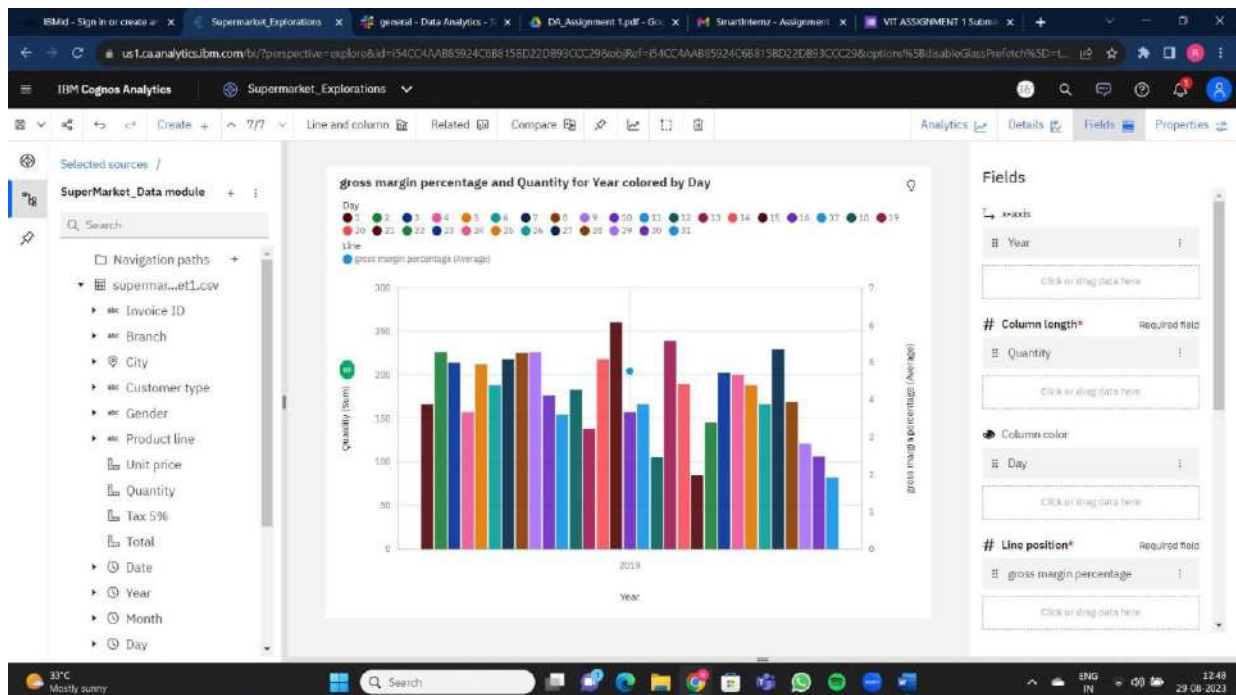
## Bar:



## Area:



Line and column:



THANK YOU  
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