

SMARTINTERNZ

Data Analytics with IBM Cognos

Assignment-1

VIT-AP

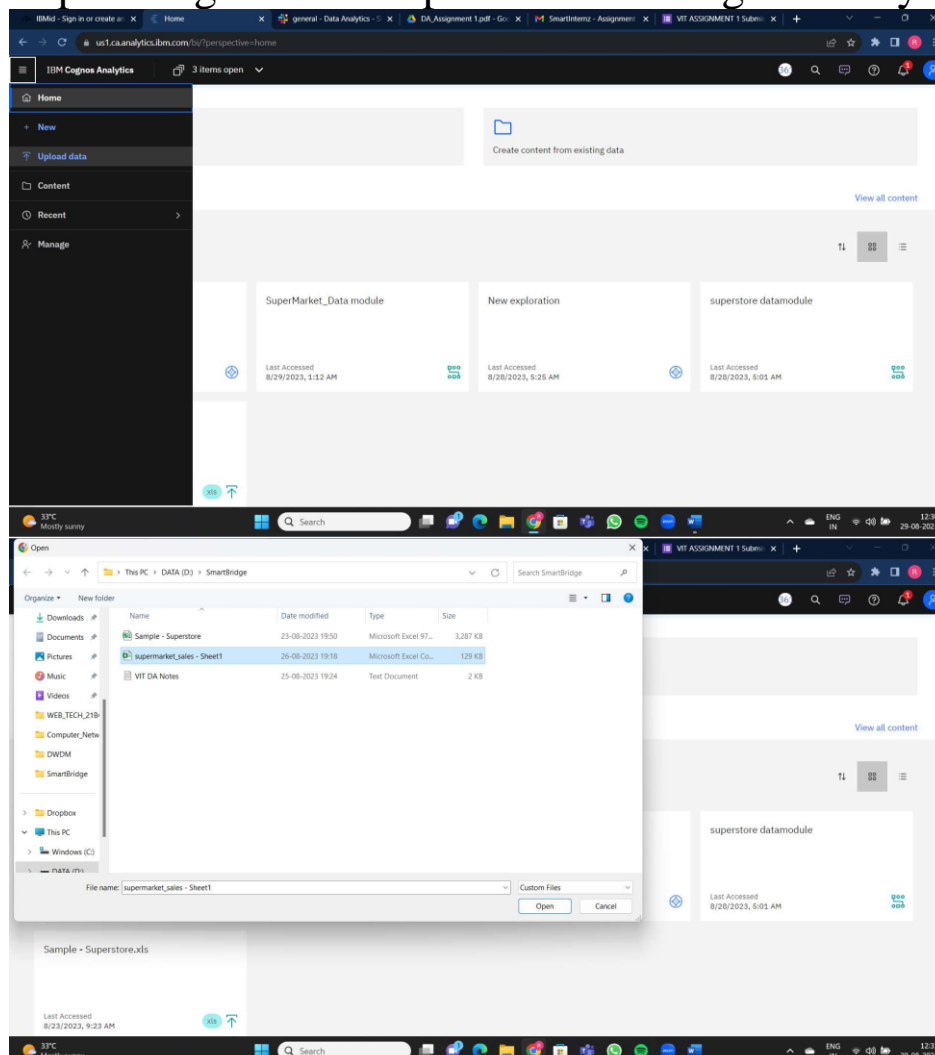
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1:Uploading data set supermarket to Cognos analytics



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. The top navigation bar shows the 'SuperMarket_Data module' selected. The left sidebar lists various data fields, including 'Date', 'Year', 'Month', 'Day', 'Day of the week', 'Time', and 'Payment'. The main area shows a preview of the data after splitting the 'Date' column into 'Year', 'Month', 'Day', and 'Day of the week'.

Edit split column - Date

Select the items that will be used to create new columns.

Year: 2019, Month: 1, Day: 5, ☒ Include the day of the week

Preview

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

Cancel Next

Data module

Search

Invoice ID, Branch, City, Customer type, Gender, Product line, Unit price, Quantity, Tax 5%, Total, Date, Year, Month, Day, Day of the week, Time, Payment

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

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

The screenshot shows the IBM Cognos Analytics interface. The left sidebar contains navigation options: Home, New, Upload data, Content, Recent, and Manage. The 'New' menu is expanded, showing options like Data module, Explore, Exploration, Dashboard, Report, and Story. The main area displays a table titled 'Custom tables' with columns: Year, Month, Day, Day of the week, Time, and Payment. The table contains 15 rows of data for the year 2019.

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

After clicking on exploration following page will be open:

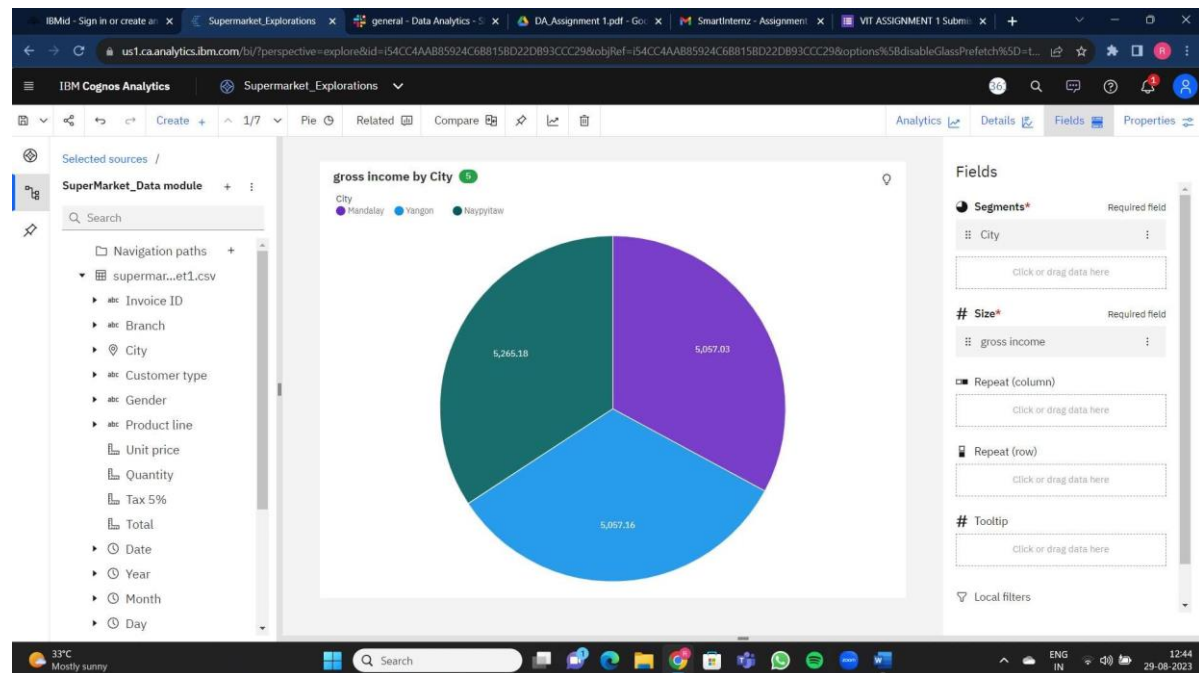
The screenshot shows the IBM Cognos Analytics interface with a dialog box titled 'Add a data source to explore' open. The dialog box has two tabs: 'My content' and 'Team content'. Under 'My content', there is a list of data sources. The 'Data module' section is selected, showing a table with columns: Name, Type, and Last Accessed. The table lists two data modules: 'SuperMarket_Data module' and 'superstore datamodule'.

Name	Type	Last Accessed
SuperMarket_Data module	Data module	8/29/2023, 1:20 AM
superstore datamodule	Data module	8/27/2023, 8:24 AM

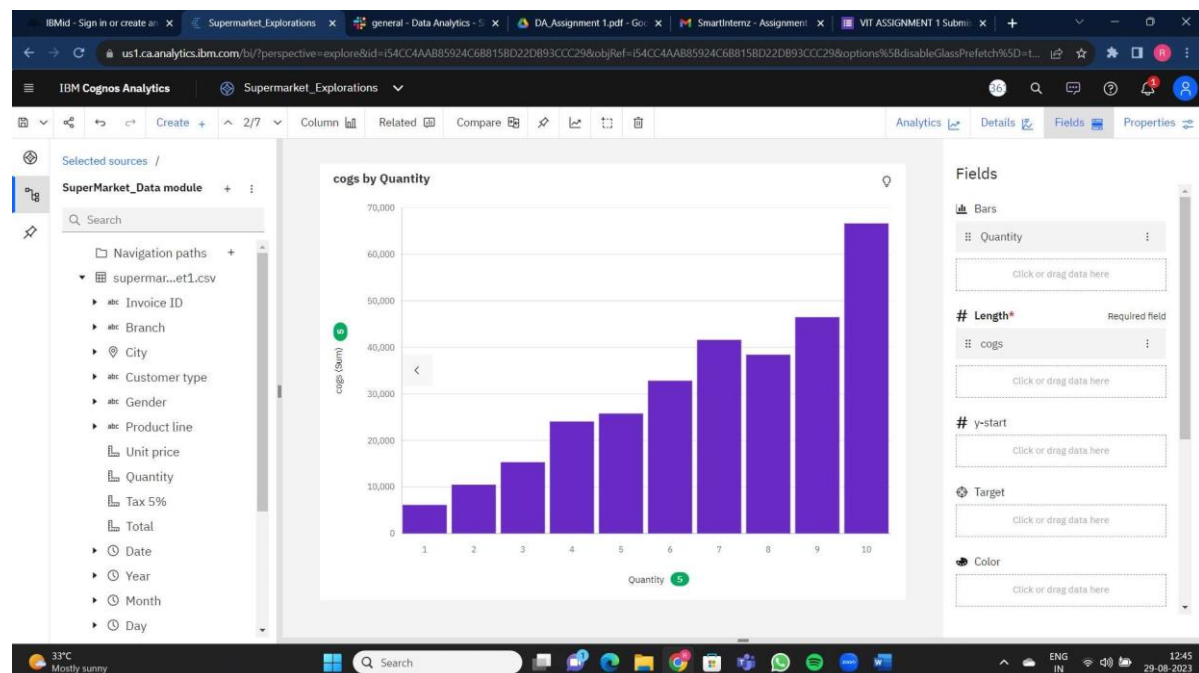
4:After clicking on Add the following page will open.

These are a few explorations of the Data module supermarket sales

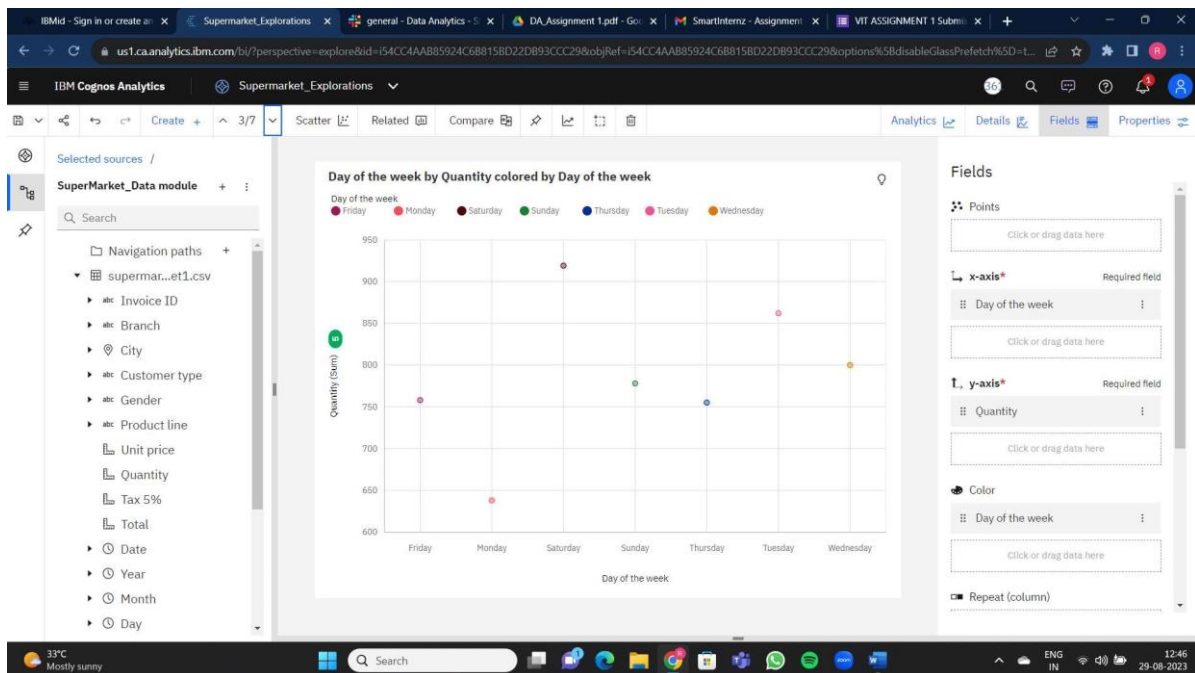
Pie:



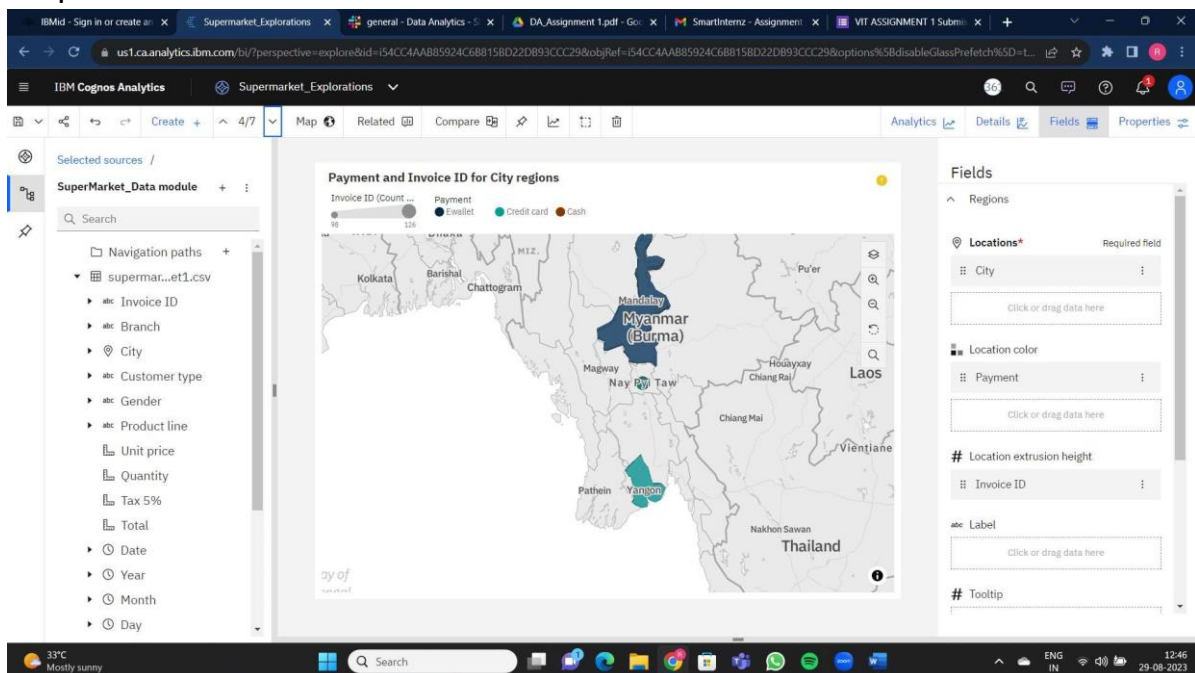
Column:



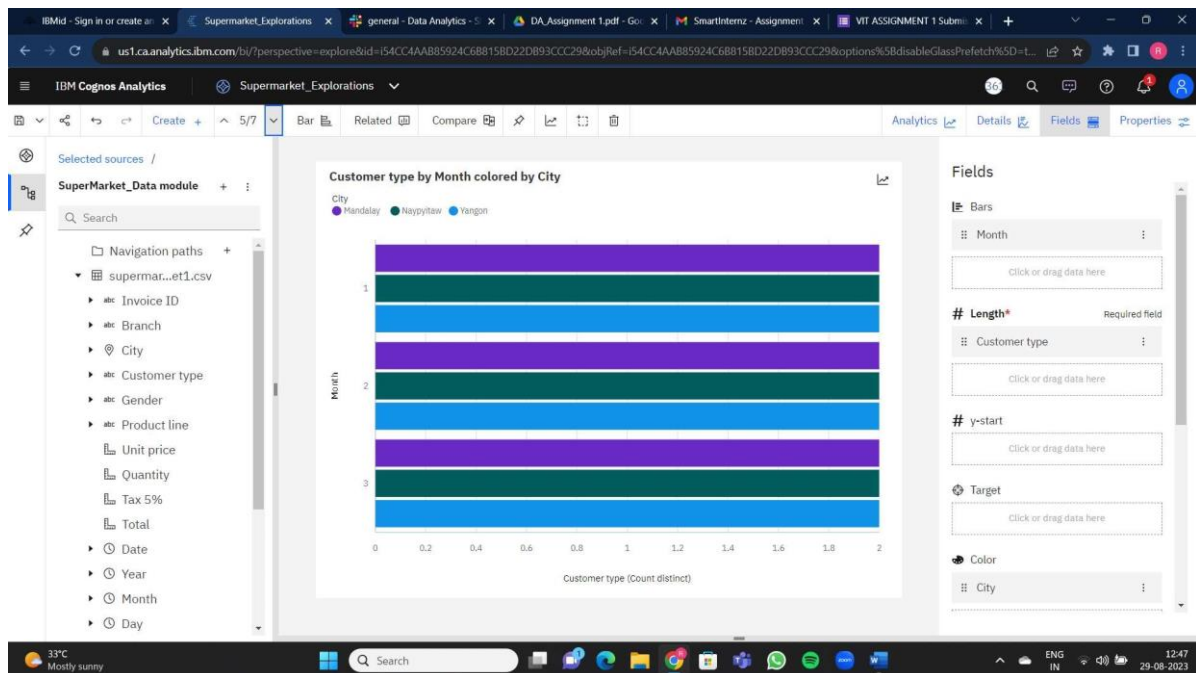
Scatter:



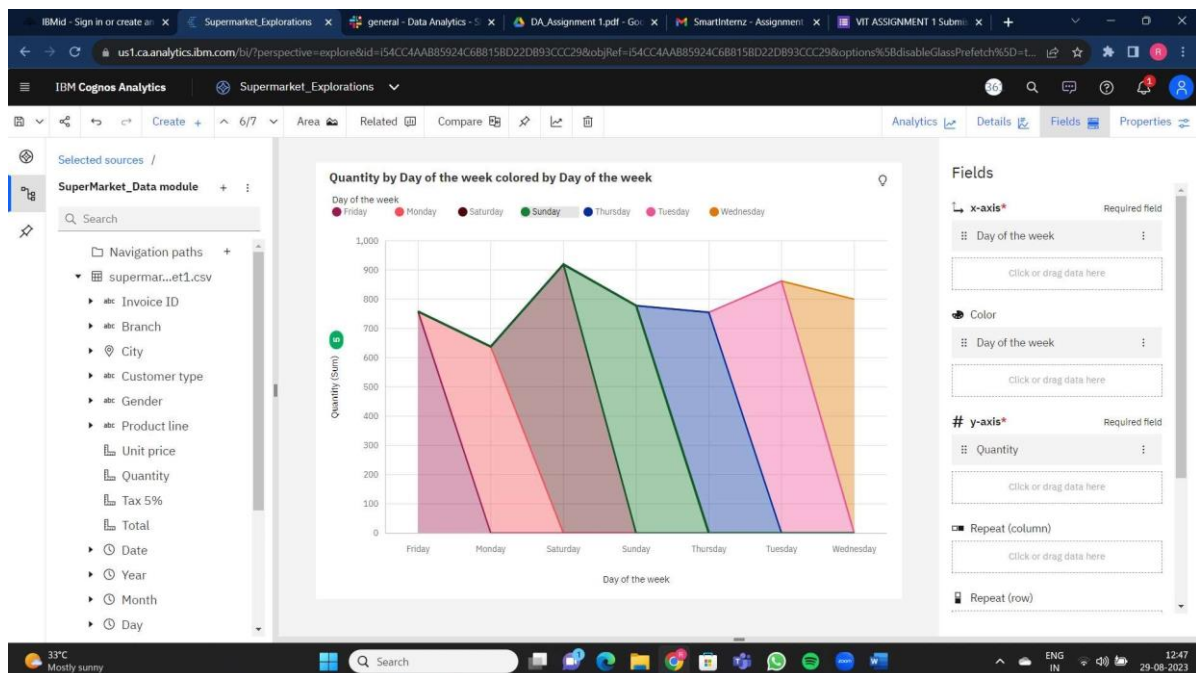
Map:



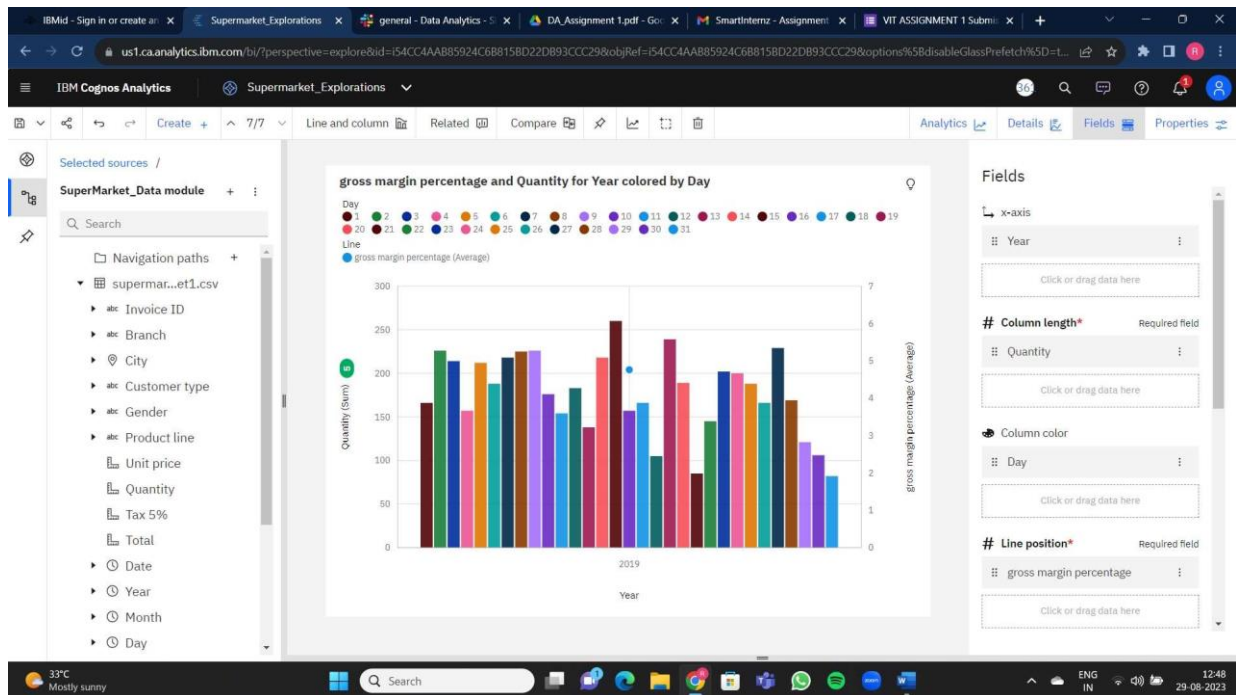
Bar:



Area:



Line and column:



THANK YOU

D.Varshitha

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