

## Power BI Assignment

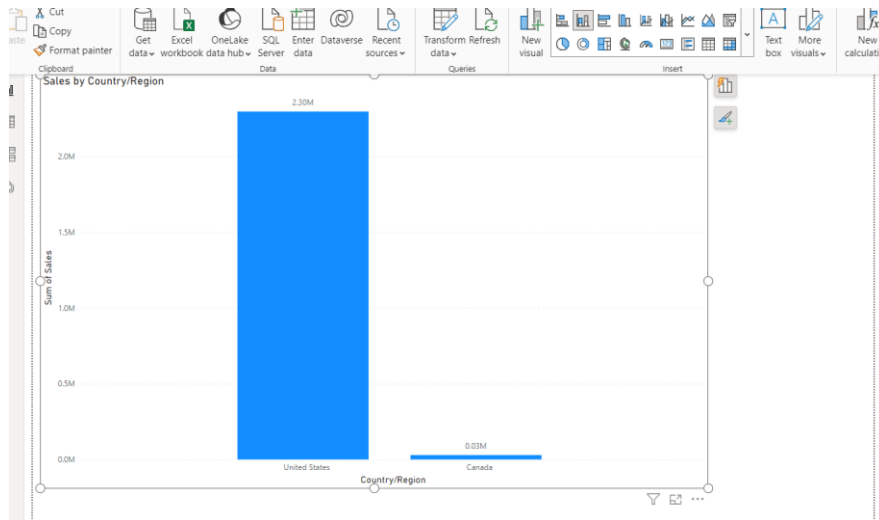
### Day-1

1. What are the various versions of Power BI?

Answer: -POWER BI DESKTOP, POWER BI PRO AND POWER BI PREMIUM.

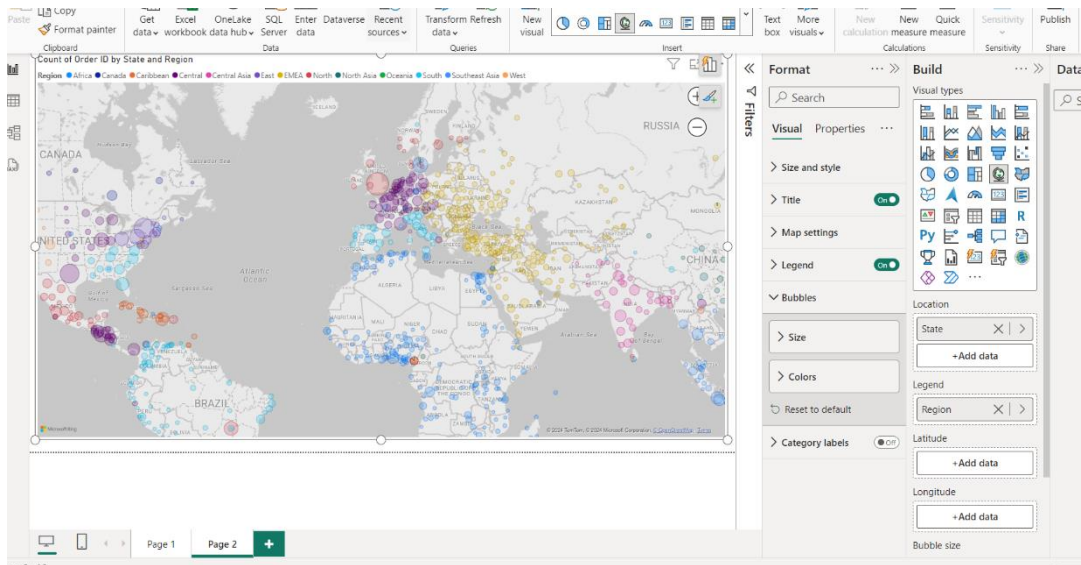
### Day-2

2. Drag the Country from the region\_data then in the report view and mention the name of the visual in the text box and add the labels in the visual.



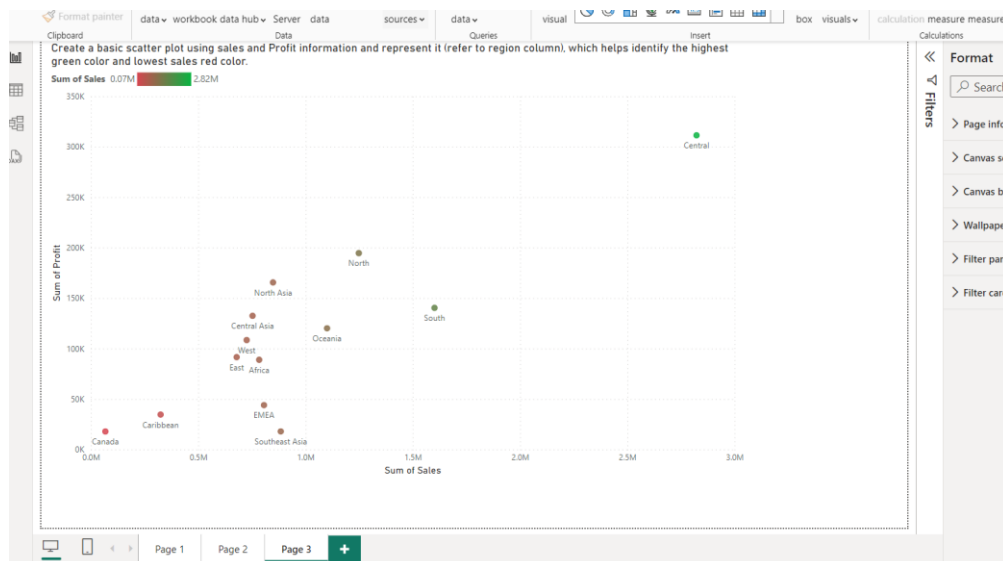
### Day-3

3. Create a basic map visual on the report page using the Global superstore and Use the region column in the slicer visual to get interacted with the map visual.



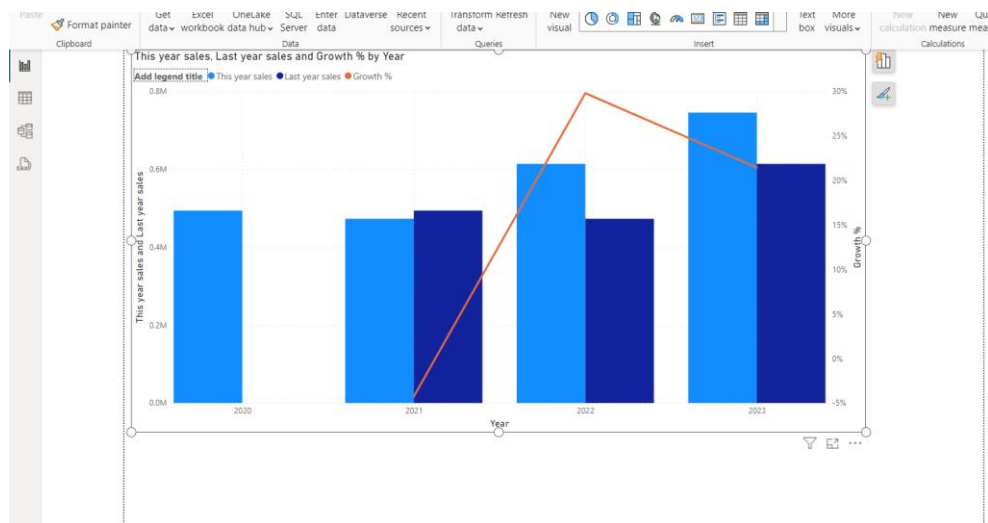
## Day-4

4. Create a basic scatter plot using sales and Profit information and represent it (refer to region column), which helps identify the highest green color and lowest sales red color.



## Day-5

5. Create a line and clustered bar chart and compare this year vs last year's sales along with growth % ?

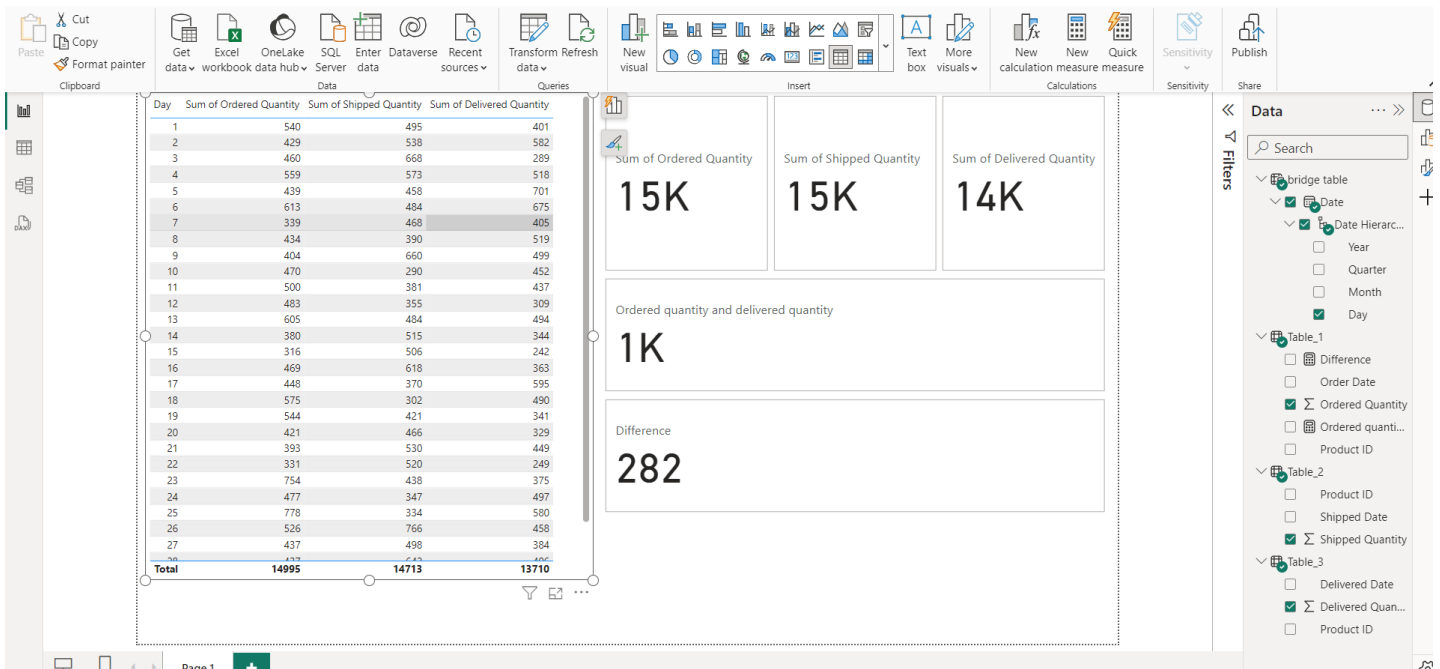


## Day-6

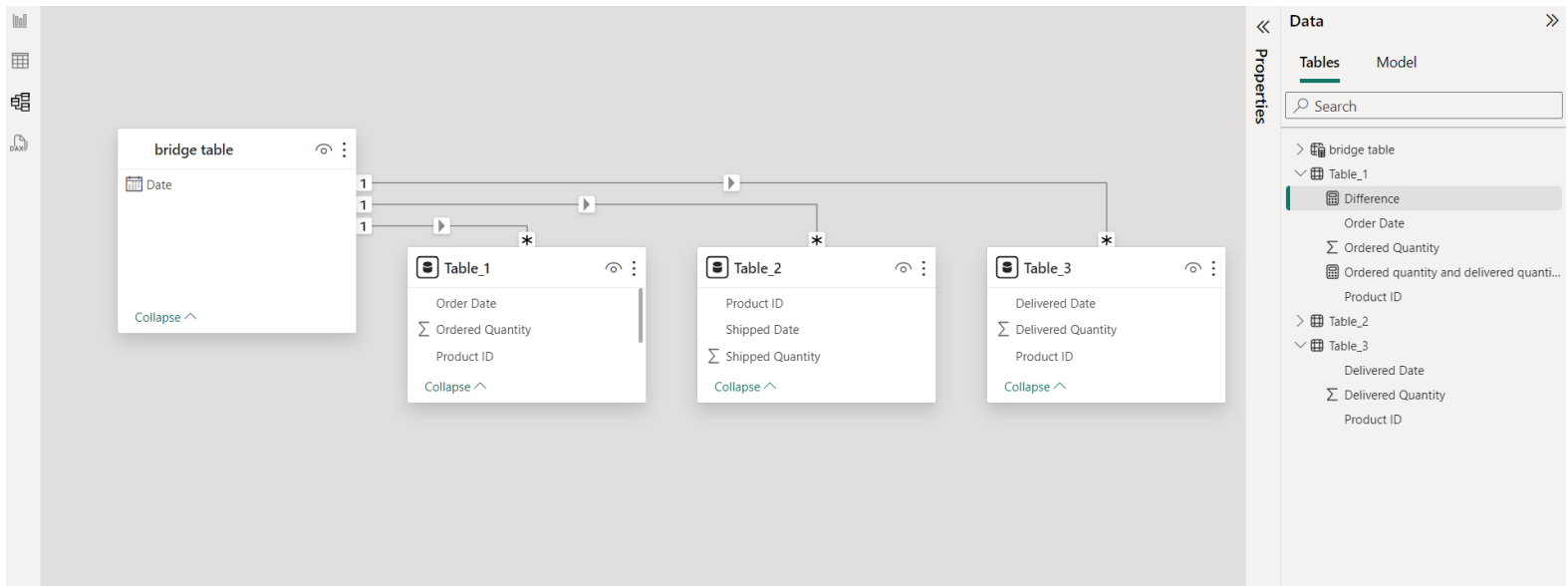
6. Import data from **2023 Worldwide Box Office - Box Office Mojo** and add the past 3 years of data in the Power Query editor, create a master table of the past 3 years of data, and load only master data in the power bi query editor or power bi desktop?



difference between the total order quantity and the shipped quantity, the 2<sup>nd</sup> difference between total order quantity and delivered quantity, using quick measure.



- If there is a difficulty with tables having many-to-many relationships. Create an intermediate table (also known as a bridge table) to handle many-to-many relationship issues.



## Day-8

10. Refer to question no. 6! After importing all the 3 years of the data, kindly add the custom column of specific year data for e.g. (if you have imported the data for the year 2023, please create a new column called year and add 2023 for each row).

Close

New Query

Data Sources

Parameters

Query

Manage Columns

Reduce Rows

Sort

Transform

Combine

AI Insights

Queries [4]

Box office mojo 2023

Box office mojo 2022

Box office mojo 2021

Master table box office...

✕

✓

fx

Table.AddColumn("#Removed Columns", "Year", each "2023", type text)

	Release Group	Worldwide	Domestic	Foreign	Year
1	1 Barbie	\$1,445,638,421	\$636,238,421	\$809,400,000	2023
2	2 The Super Mario Bros. Movie	\$1,362,011,523	\$574,934,330	\$787,077,193	2023
3	3 Oppenheimer	\$968,213,540	\$329,862,540	\$638,351,000	2023
4	4 Guardians of the Galaxy Vol. 3	\$845,555,777	\$358,995,815	\$486,559,962	2023
5	5 Fast X	\$704,875,015	\$146,126,015	\$558,749,000	2023
6	6 Spider-Man: Across the Spider-Verse	\$690,615,475	\$381,311,319	\$309,304,156	2023
7	7 Wonka	\$632,302,312	\$218,402,312	\$413,900,000	2023
8	8 The Little Mermaid	\$569,626,289	\$298,172,056	\$271,454,233	2023
9	9 Mission: Impossible - Dead Reckoning Part One	\$567,535,383	\$172,135,383	\$395,400,000	2023
10	10 Elemental	\$496,444,308	\$154,426,697	\$342,017,611	2023
11	11 Ant-Man and the Wasp: Quantumania	\$476,071,180	\$214,504,909	\$261,566,271	2023
12	12 John Wick: Chapter 4	\$440,157,245	\$187,131,806	\$253,025,439	2023
13	13 Transformers: Rise of the Beasts	\$438,966,392	\$157,066,392	\$281,900,000	2023
14	14 Aquaman and the Lost Kingdom	\$434,381,226	\$124,481,226	\$309,900,000	2023
15	15 Meg 2: The Trench	\$397,700,317	\$82,600,317	\$315,100,000	2023
16	16 Indiana Jones and the Dial of Destiny	\$383,963,057	\$174,480,468	\$209,482,589	2023
17	17 The Hunger Games: The Ballad of Songbirds & Snakes	\$337,371,917	\$166,350,594	\$171,021,323	2023
18	18 Migration	\$292,179,645	\$127,292,645	\$164,887,000	2023
19	19 Five Nights at Freddy's	\$291,493,620	\$137,275,620	\$154,218,000	2023
20	20 Creed III	\$276,148,615	\$156,248,615	\$119,900,000	2023
21	21 The Flash	\$271,333,313	\$108,133,313	\$163,200,000	2023
22	22 The Nun II	\$269,467,073	\$86,267,073	\$183,200,000	2023
23	23 Taylor Swift: The Eras Tour	\$261,656,269	\$180,756,269	\$80,900,000	2023
24	24 Wish	\$254,795,156	\$63,973,821	\$190,821,335	2023
25	25 Sound of Freedom	\$250,570,396	\$184,178,046	\$66,392,350	2023
26	26 Napoleon	\$221,026,368	\$61,524,375	\$159,501,993	2023
27	27 Anyone But You	\$217,783,697	\$88,309,369	\$129,474,328	2023
28					

Query Settings

PROPERTIES

Name

Box office mojo 2023

All Properties

APPLIED STEPS

Source

Extracted Table From Html

Promoted Headers

Changed Type

Removed Columns

✕ Inserted Literal

COLUMNS: 200 ROWS

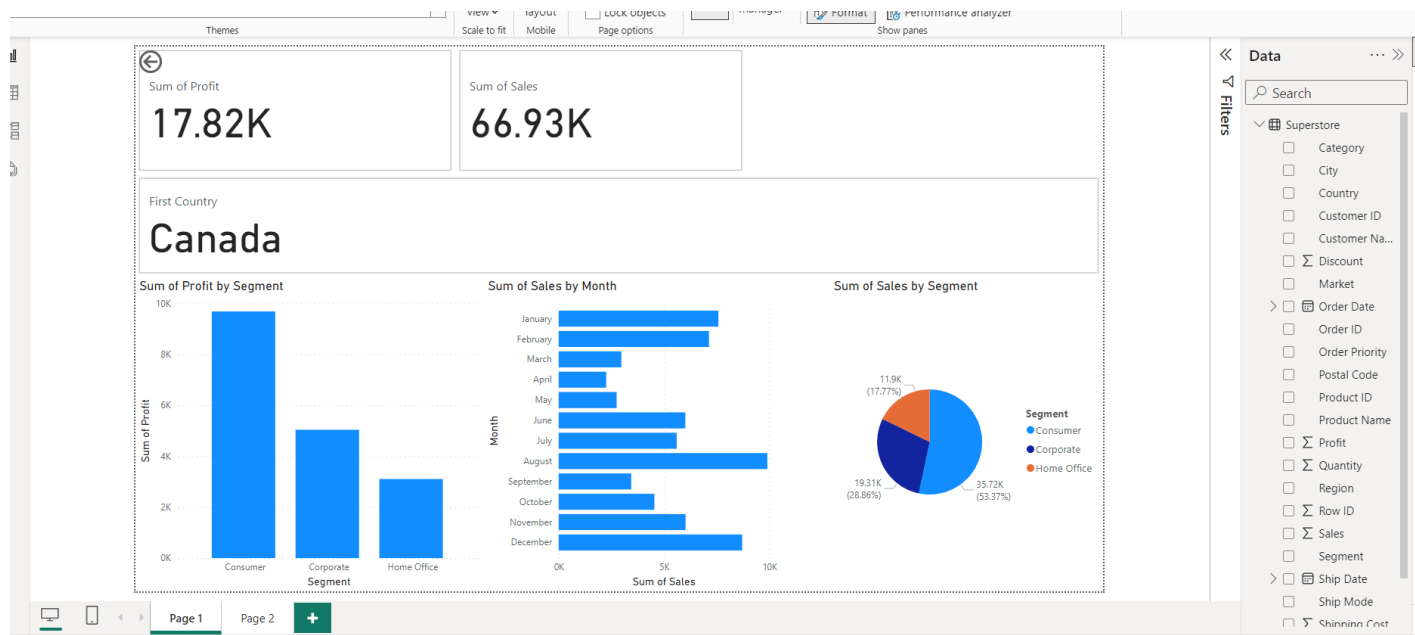
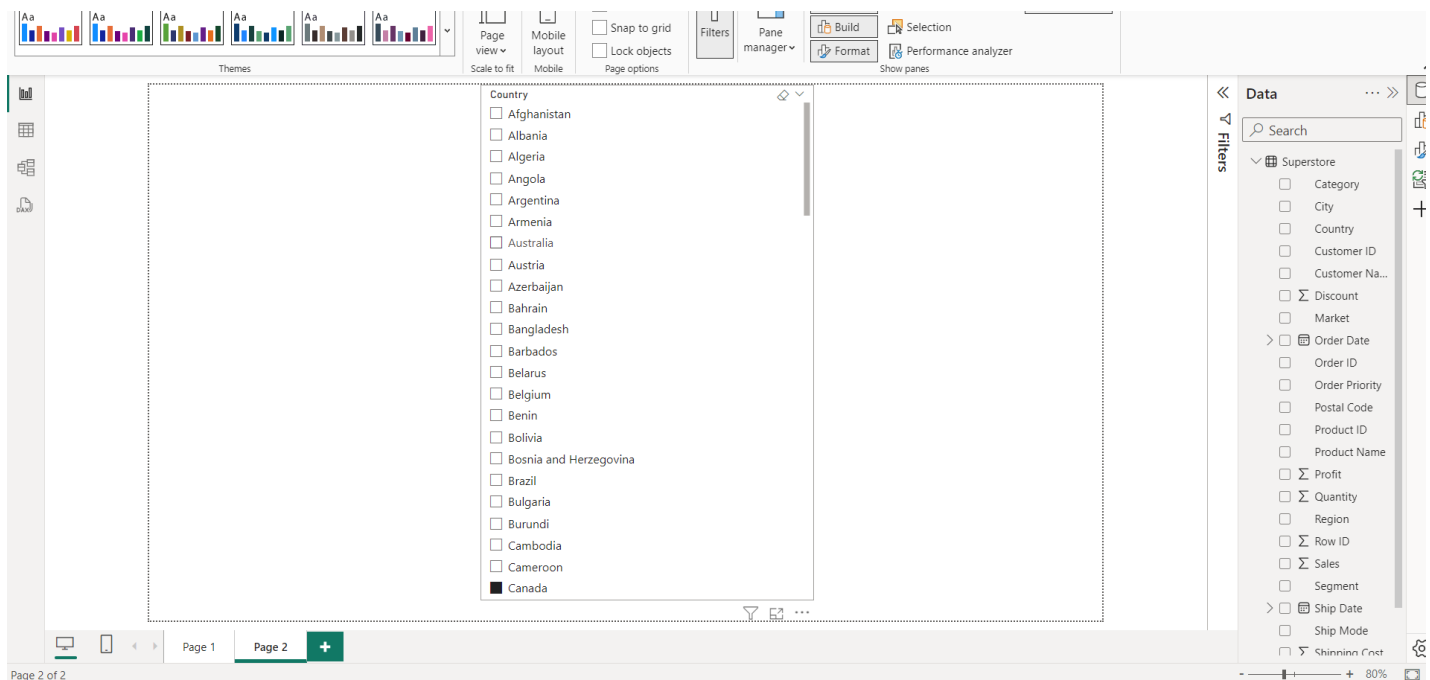
Column profiling based on top 1000 rows

PREVIEW DOWNLOADED AT 11:34 PM

Day-9

Refer to Global superstore data.

11. Create a map visual and use the drill down to show detailed information for each country by state. (For detailed information you can use the region slicer).

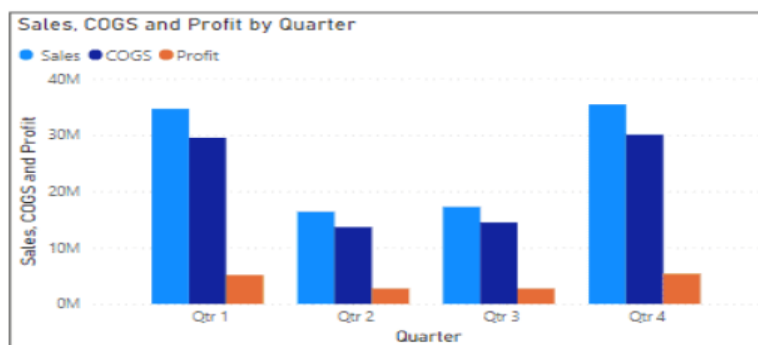
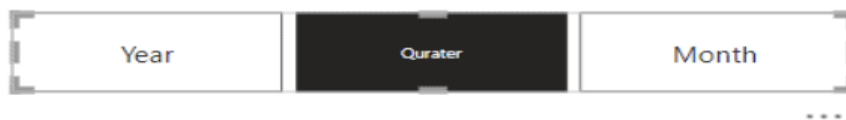


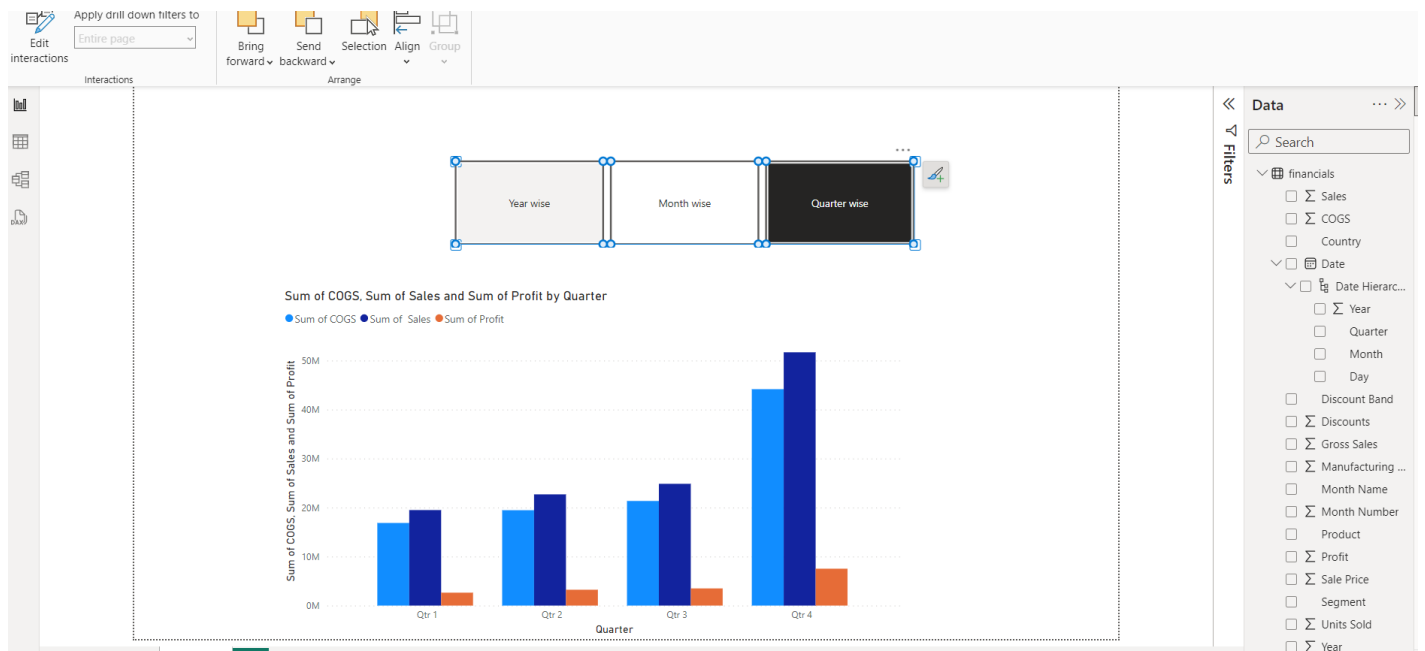


## Day-10

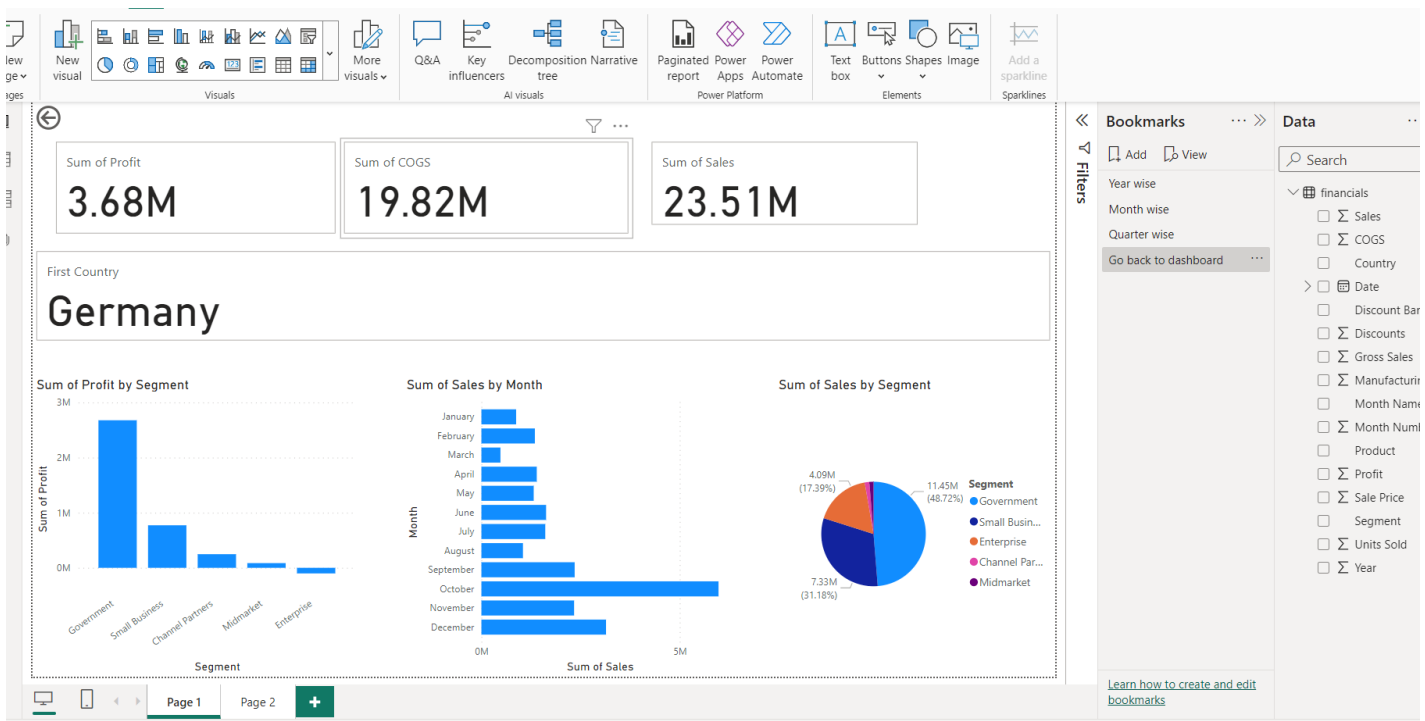
Refer to Financials sample data.

12. Create a clustered column chart referring to the order date and sales, then apply bookmarks based on date year, quarter, and month.

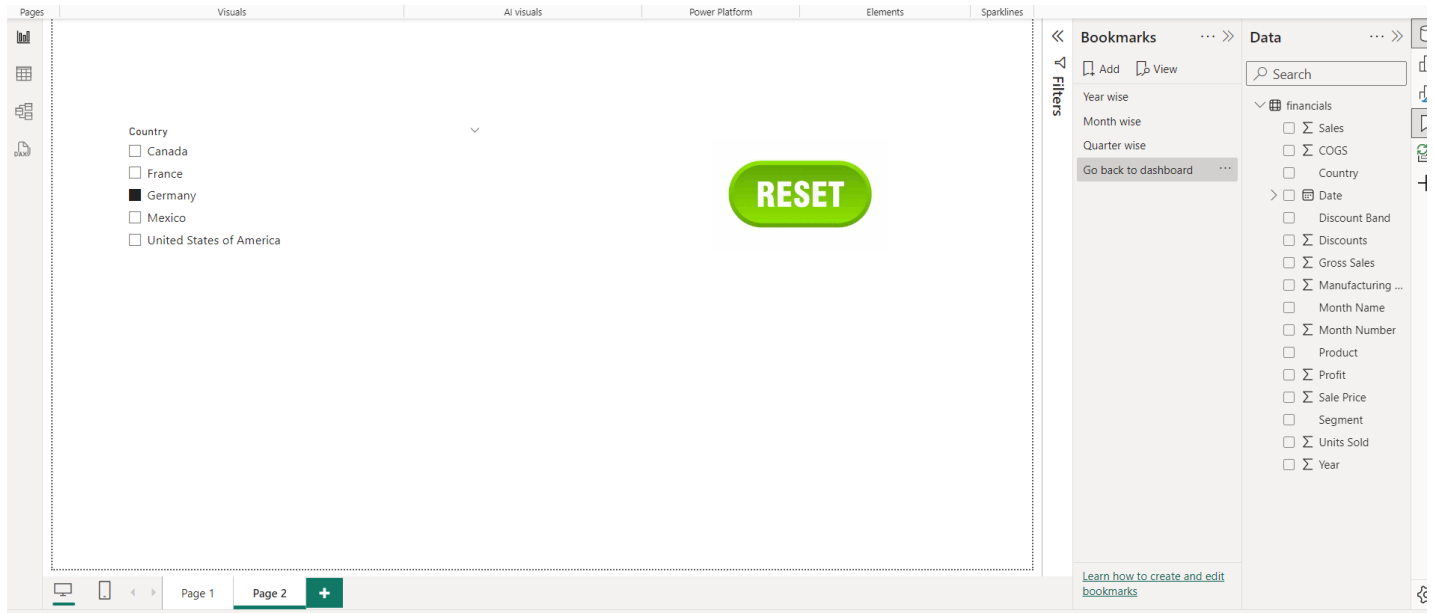




13. Create a country overview page and add another page that contains detailed information about the country with drill through options.



14. Add the reset image in which all the filters should get removed and the report page should be default in the country information page.



## **Day-11**

15. Create a new summarize table with selected columns (region, country, sum of sales) from the global superstore and filter the region based on the given conditions, Central Asia, North, South & East.

Name	Region	Format	Text	Summarization	Don't summarize	Sort by column	Data groups	Manage relationships	New column
Data type	Text	Format	Auto	Data category	Uncategorized	Sort	Groups	Relationships	Calculations

Country	Sales	Region
United States	30.072	East
United States	23.616	East
United States	23.904	East
United States	20.664	East
United States	4.928	East
United States	20.808	East
United States	100.24	East
United States	18.496	East
United States	24.424	East
United States	6	East
United States	17.712	East
United States	47.36	East
United States	97.696	East
United States	21.93	East
United States	15.66	East
United States	3.304	East
United States	29.24	East
United States	55.44	East
United States	15.936	East
United States	24.84	East
United States	10.08	East
United States	17.544	East
United States	5.04	East
United States	4.91	East
United States	14.4	East
United States	31.05	East
United States	3.69	East
United States	172.12	East

Table: Sample (44,836 rows, 14,175 filtered rows) Column: Region (13 distinct values, 4 filtered distinct values)

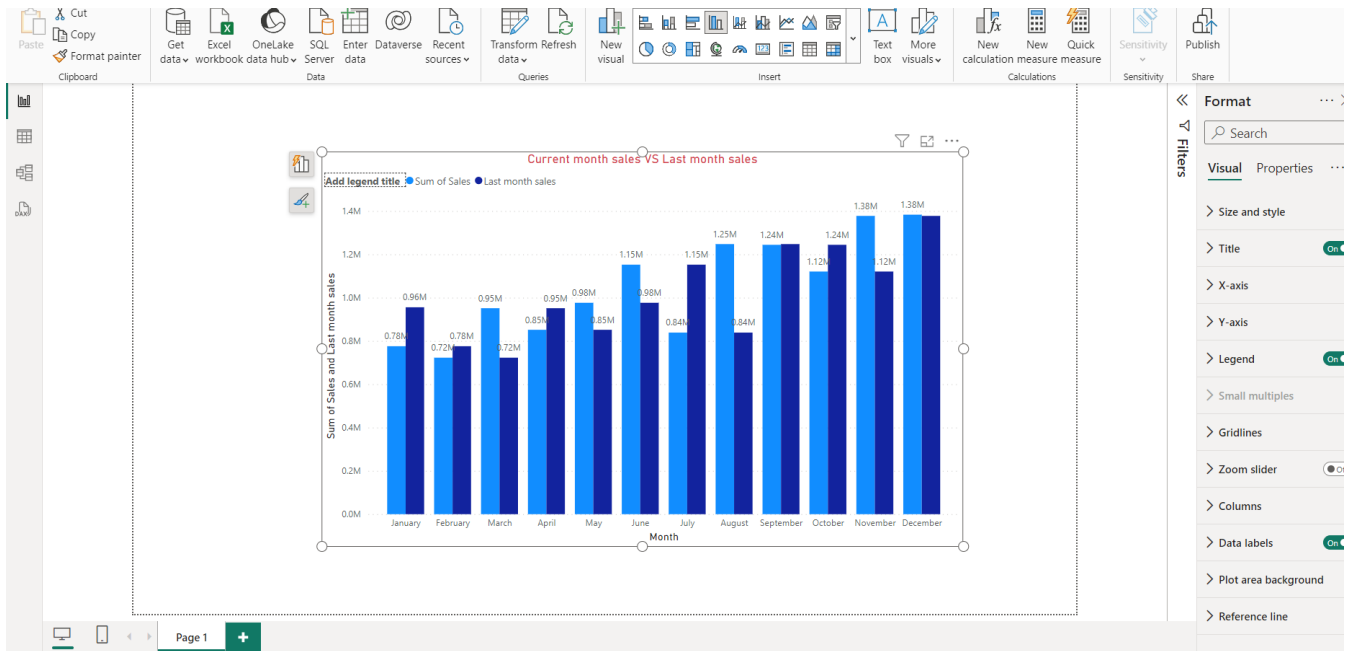
Day-12

16. Create a week column based on the order date from the global superstore data. e.g. required output “Week-5”

The screenshot displays the Microsoft Power BI Desktop interface. At the top, the ribbon shows tabs for 'Columns', 'Groups', 'Relationships', and 'Calculations'. Below the ribbon, a table is visible with two columns: 'Date' and 'Week number'. The 'Date' column contains dates ranging from 2011 to 2014, and the 'Week number' column contains values from 1 to 53. On the right side, the 'Data' pane shows the 'Order calendar' table with columns 'Date' and 'Week number'. The 'Week number' column is highlighted. The bottom status bar indicates: 'Table: Order calendar (1,461 rows, 28 filtered rows) Column: Week number (53 distinct values, 1 filtered distinct values)'.

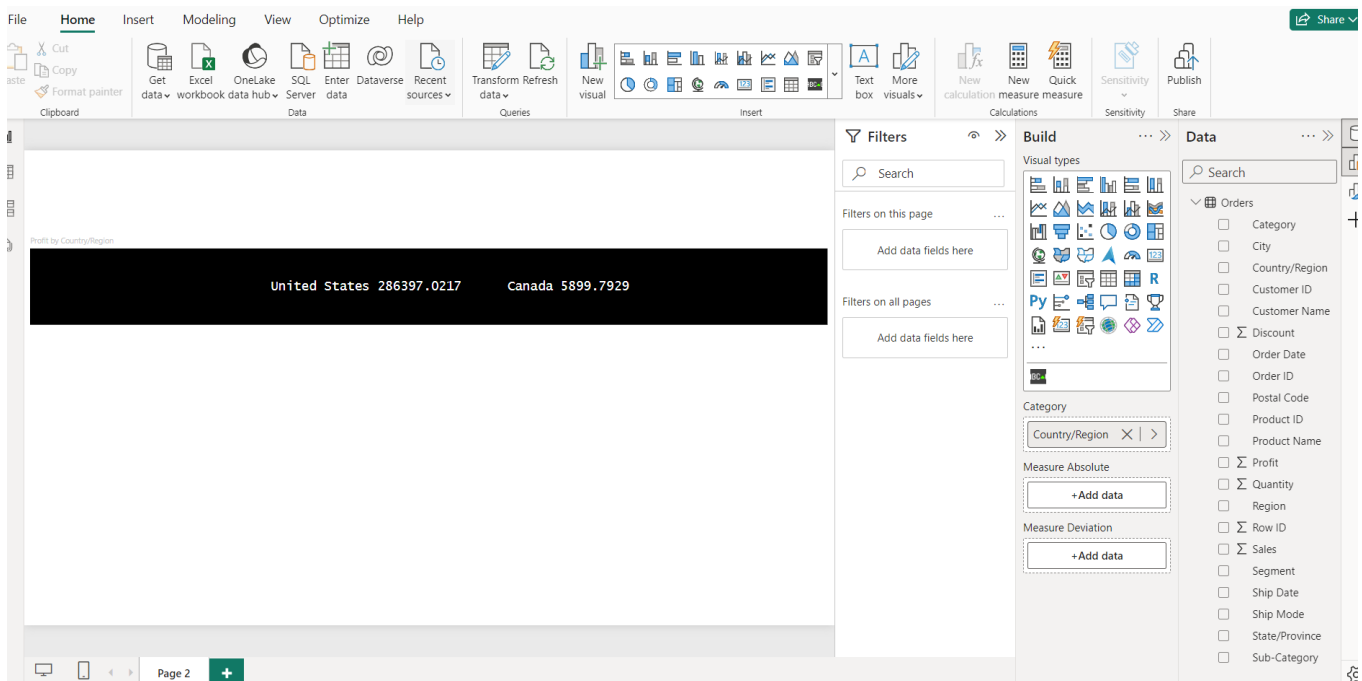
## Day-13

17. Create a table visual to show the current month's sales vs last month's sales.



## Day-14

18. Insert the scroller custom visual and add it to the report page referring to the country and profit column.



## Day-15

19. Create a shared workspace and add the organization members to the workspace then publish the report.

**NOTE: Unable to create workspace due to sign in is required.**