Tasklist-1

Practice What You Learnt (Level 1)

PART-1

1. Import the Business data file into Microsoft PowerBI.

- Launch the Power BI Desktop application on your computer.
- On the Home tab, click on "Get Data."
- Choose the data source that matches your Business data file. example, if your file is an Excel file, select "Excel."
- Browse to the location of your Business data file and select it.

2. Load only the “Account” sheet from the workbook after transforming the data.

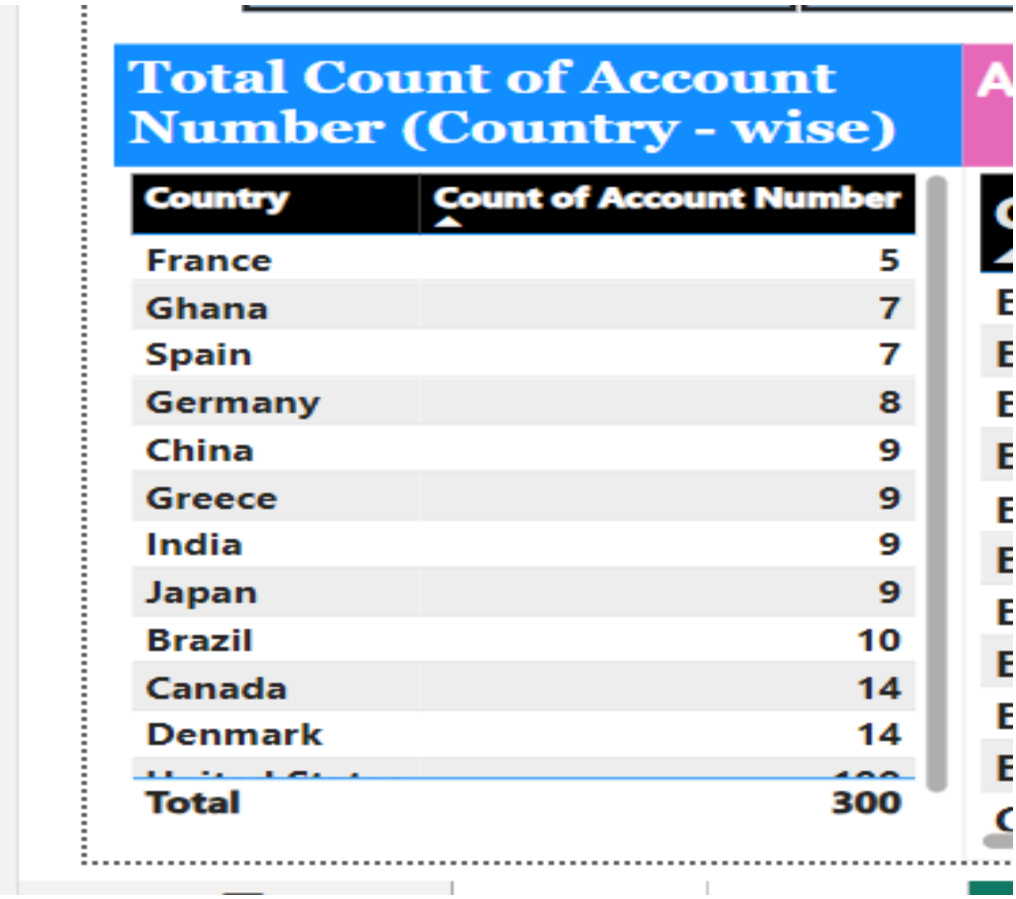
- After selecting your file, Power BI will show a preview of the data.
- In the Navigator window, select only the "Account" sheet by checking its checkbox. Then click "Transform Data."
- This will open the Power query Editor. Here, you can perform various transformations on the "Account" sheet data.
- Once you have transformed the data as needed, click "Close & Apply" in the Power Query Editor. This will load the transformed "Account" sheet data into Power BI.

- Now you can use the transformed "Account" sheet data to create visualizations in Power BI.

3. Represent the data as per the given criteria:

(3.a) <u>Represent the data, which includes the total count of account numbers against the country, in a tabular format.</u>

- Go to the "Report" view in Power BI Desktop.
- Click on the "Table" visualization in the Visualizations pane.
- In the Fields pane, drag the "Country" field to the "Values" area of the Table visualization.
- Next, drag the "Account Number" field to the "Values" area as well.
- By default, Power BI might sum or show individual account numbers. To show the count:
- Click on the drop-down arrow next to the "Account Number" field in the Values area of the Visualizations pane.
- Select "Count" from the list of available aggregations.
- You can adjust the layout, font size, and other formatting options using the Format pane to make the table more readable.



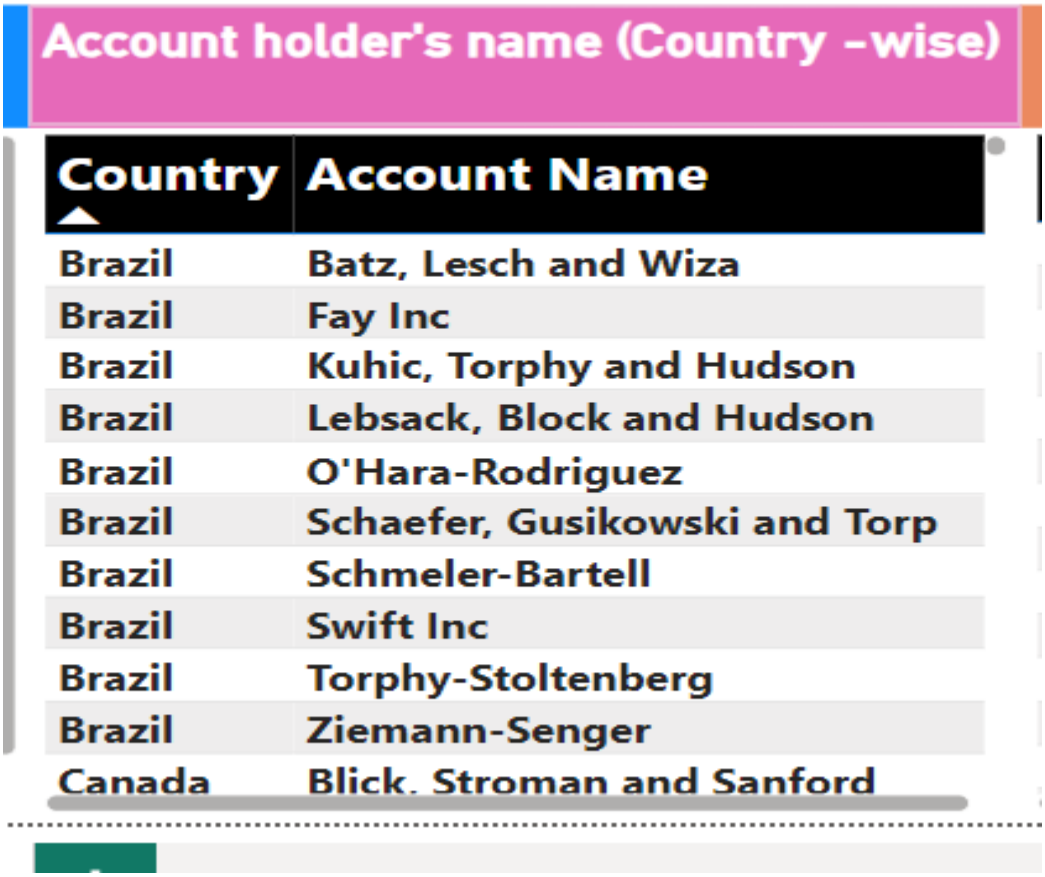
Total Count of Account Number (Country - wise)

Country	Count of Account Number
France	5
Ghana	7
Spain	7
Germany	8
China	9
Greece	9
India	9
Japan	9
Brazil	10
Canada	14
Denmark	14
Total	300

(3.b) <u>Insert another table and represent the data on the country-wise Account holder's name.</u>

- Go to the "Report" view in Power BI Desktop.
- Click on the "Table" visualization in the Visualizations pane to create a new table.
- In the Fields pane, drag the "Country" field to the "Values" area of the Table visualization.
- Next, drag the "Account Holder's Name" field to the "Values" area of the Table visualization.

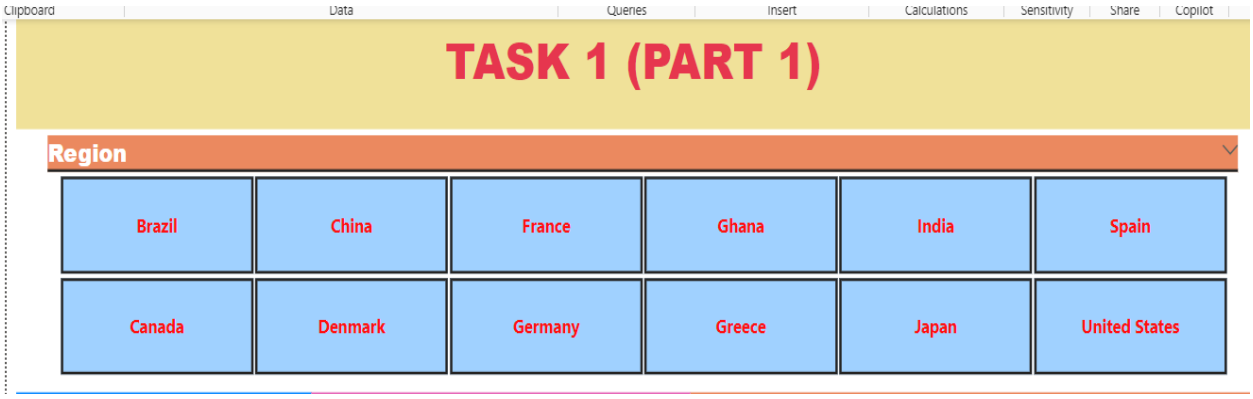
- You can adjust the layout, font size, and other formatting options using the Format pane to make the table more readable.



(3.c) <u>Insert a slicer from the visualization section and add a country-wise filter</u>

- Go to the "Report" view in Power BI Desktop.

- Click on the "Slicer" visualization in the Visualizations pane. This will create a blank slicer on your report canvas.
- In the Fields pane, find and drag the "Country" field to the "Field" area of the slicer visualization.
- Position and Resize the Slicer
- You can customize the appearance and functionality of the slicer using the Format pane.



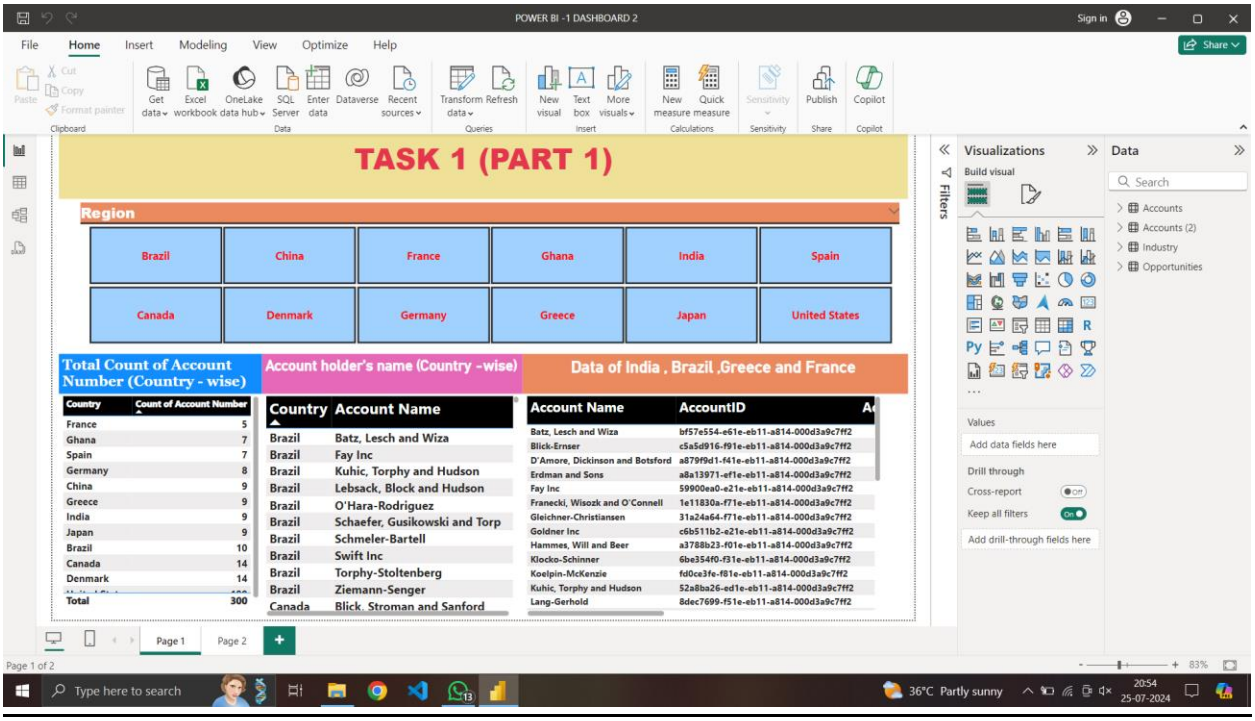
(3.d) <u>Represent the data of India, Brazil, Greece, and France together.</u>

- Go to the "Report" view in Power BI Desktop.
- Click on the "Table" visualization in the Visualizations pane.
- In the Fields pane, drag all the field of “Account” field to the "Values" area of the Table visualization.
- Use the Filters pane to include only the data for India, Brazil, Greece, and France.

Data of India , Brazil ,Greece and France

Account Name	AccountID	A
Batz, Lesch and Wiza	bf57e554-e61e-eb11-a814-000d3a9c7ff2	
Blick-Ernser	c5a5d916-f91e-eb11-a814-000d3a9c7ff2	
D'Amore, Dickinson and Botsford	a879f9d1-f41e-eb11-a814-000d3a9c7ff2	
Erdman and Sons	a8a13971-ef1e-eb11-a814-000d3a9c7ff2	
Fay Inc	59900ea0-e21e-eb11-a814-000d3a9c7ff2	
Franecki, Wisozk and O'Connell	1e11830a-f71e-eb11-a814-000d3a9c7ff2	
Gleichner-Christiansen	31a24a64-f71e-eb11-a814-000d3a9c7ff2	
Goldner Inc	c6b511b2-e21e-eb11-a814-000d3a9c7ff2	
Hammes, Will and Beer	a3788b23-f01e-eb11-a814-000d3a9c7ff2	
Klocko-Schinner	6be354f0-f31e-eb11-a814-000d3a9c7ff2	
Koelpin-McKenzie	fd0ce3fe-f81e-eb11-a814-000d3a9c7ff2	
Kuhic, Torphy and Hudson	52a8ba26-ed1e-eb11-a814-000d3a9c7ff2	
Lang-Gerhold	8dec7699-f51e-eb11-a814-000d3a9c7ff2	

Final Dashboard will look like:



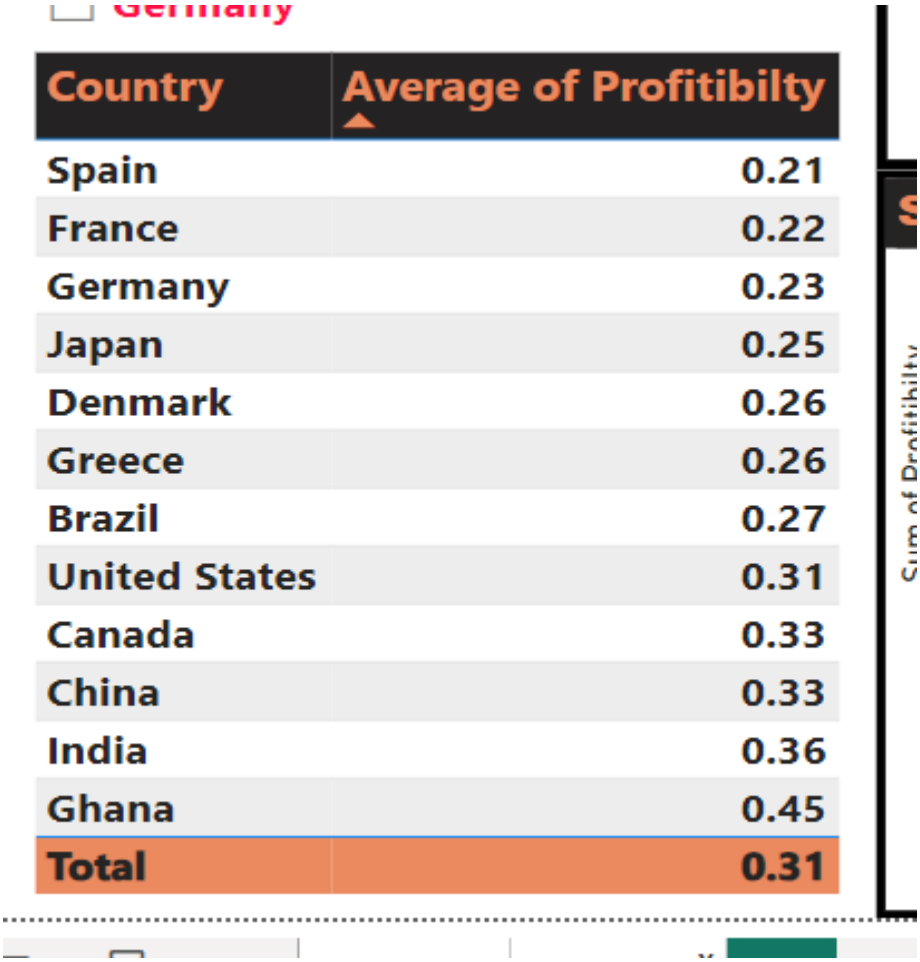
PART-2

1. Add a page into PowerBI and import the worksheets named Accounts, Industry & Opportunities from the same Business data file.

- At the bottom of the Power BI Desktop, click the "+" icon to add a new page.
- Click on the "Home" tab.
- Click on "Get Data."
- Select "Excel".
- Locate and select your Business data file.
- In the Navigator window, check the boxes next to "Accounts," "Industry," and "Opportunities."
- You can either click "Load" to load the data directly or click "Transform Data" if you need to make modifications in Power Query Editor before loading.
- If you click "Transform Data," you can apply any necessary transformations or cleaning steps, then click "Close & Load" to load the data into Power BI.

2. Represent the data as per the given criteria:

(2.a) Country-wise industry and average profitability margin (in Percentage %)



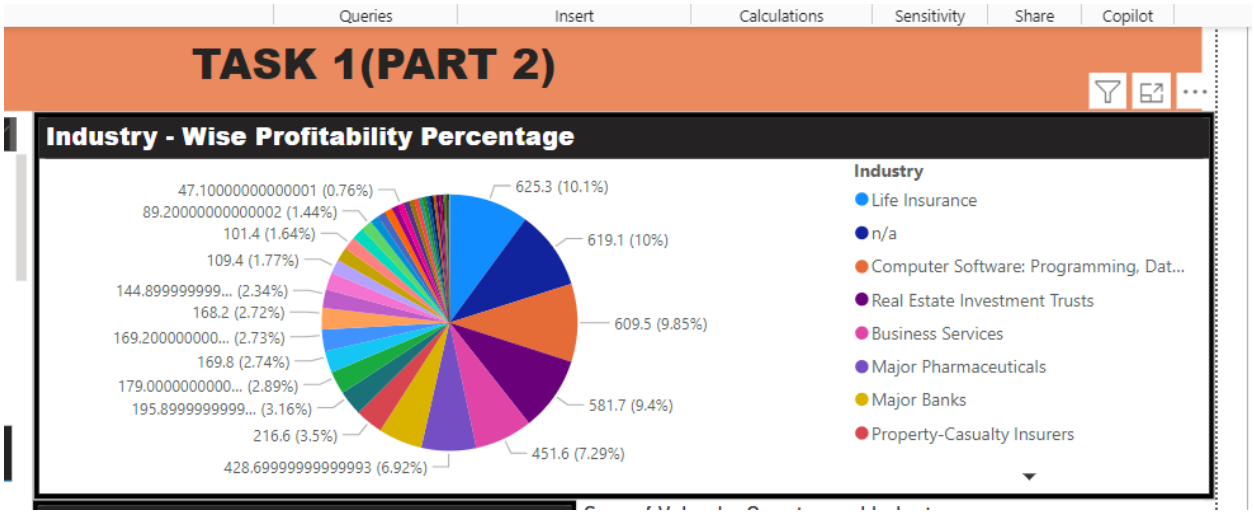
Country	Average of Profitibilty
Spain	0.21
France	0.22
Germany	0.23
Japan	0.25
Denmark	0.26
Greece	0.26
Brazil	0.27
United States	0.31
Canada	0.33
China	0.33
India	0.36
Ghana	0.45
Total	0.31

(2.b) Add a separate filter so that country-wise industry and profitability margins can be shown based on the selective countries (There is no bar on country selection)

- In the "Visualizations" pane, select the "Slicer" visual.
- Drag the 'Country' field from the "Fields" pane into the slicer.
- Resize and place the slicer on the page as desired.
- You can customize the slicer to allow multi-selection by clicking on the slicer, then going to the "Format" pane and enabling "Multi-select with CTRL."

3. Represent the following data using a pie chart:

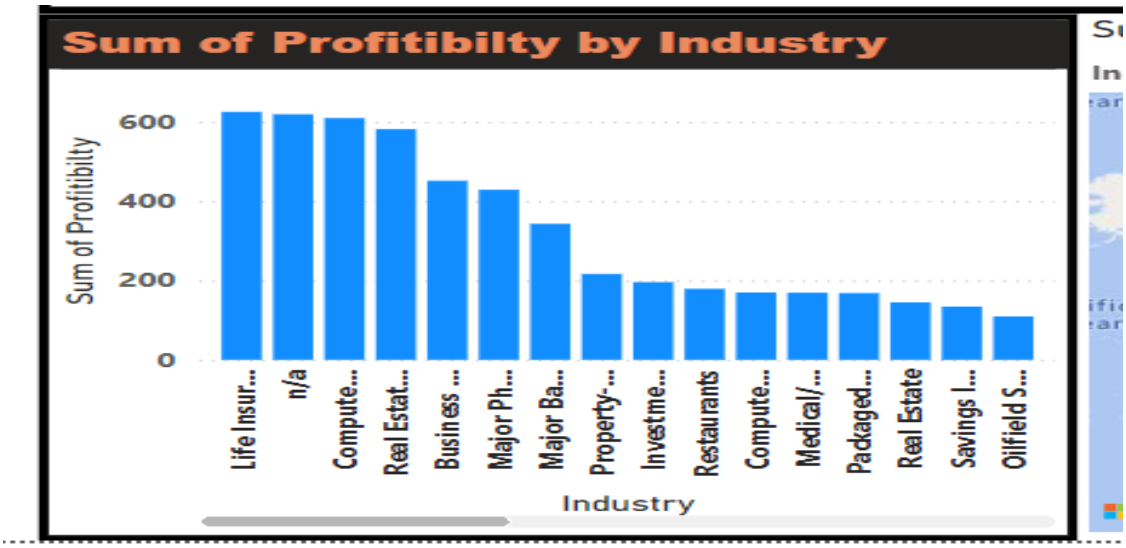
(3.a) **<u>Industry-wise profitability percentage</u>**



- In the "Visualizations" pane, select the "Pie chart" visual.
- From the "Fields" pane, drag 'Industry' to the "Legend" area.
- Drag 'Profitability Margin' to the "Values" area.
- Ensure 'Profitability Margin' is set to average by clicking on the dropdown arrow next to it in the "Values" area and selecting "Average".
- Select the 'Profitability Margin' field in the "Fields" pane.
- Go to the "Modeling" tab and set the data type to "Percentage" and specify the number of decimal places if needed.

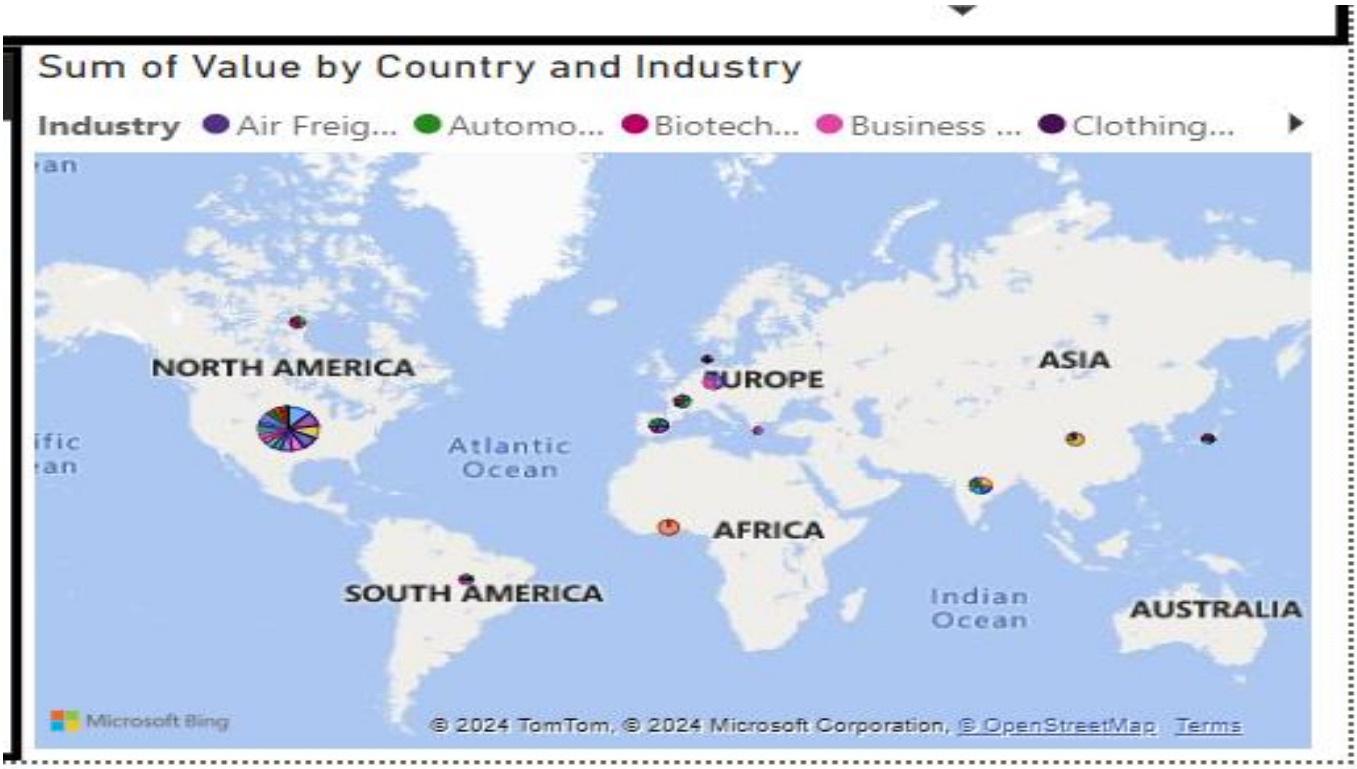
4. Present the data that shows industry-wise profitability trends by taking the Line & stacked column chart from the visualization section.

- In the "Visualizations" pane, select the "Line and Stacked Column Chart" visual.
- Place the 'Industry' field in the Shared axis area.
- Place the 'Profitability Margin' field in the Column values area.
- If applicable, place a time field (e.g., Year, Month) in the Column series area to show trends over time.
- Optionally, place another metric (e.g., ‘Profitability Margin’) in the Line values area for comparison.



5.Present the data to show country-wise industry market values and industrywise presence by taking the map chart.

- In the "Visualizations" pane, select the "Map" visual.
- From the "Fields" pane, drag the 'Country' field to the "Location" area.
- Drag the 'Industry' field to the "Legend" area to differentiate industries by color.
- Drag the 'Market Value' field to the "Size" area to represent the market values with different bubble sizes.


Sum of Value by Country and Industry
Industry
Air Freig...
Automo...
Biotech...
Business ...
Clothing...
NORTH AMERICA
EUROPE
ASIA
Atlantic Ocean
AFRICA
SOUTH AMERICA
Indian Ocean
AUSTRALIA
Microsoft Bing
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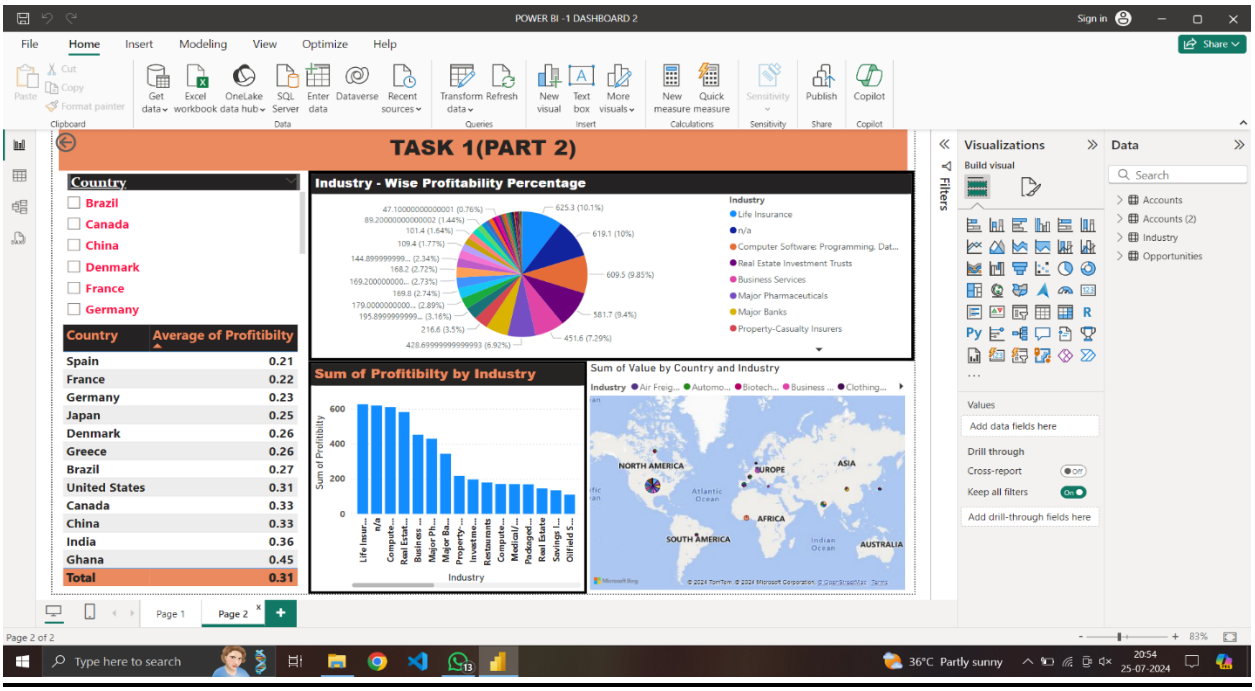
Final Dashboard will look like



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