📊 Dashboard Design - Task 3 (Data Analyst Internship)

✅ Objective

Design an interactive dashboard using Power BI to help business stakeholders make informed decisions based on sales and profit metrics.

📁 Dataset

- **Name:** Superstore_Sales.csv

- **Source:** Simulated Superstore Sales dataset

- **Fields:** Order Date, Region, Category, Sub-Category, Sales, Profit, Discount, Quantity, Segment

🛠️ Tools Used

- **Power BI**

- **Python (for generating data & assets)**

📈 Dashboard Features

- KPI Cards for Total Sales, Total Profit, Total Discount

- Line Chart for Sales and Profit trends over time

- Bar Chart for Sales by Category

- Pie Chart for Sales by Segment

- Map for Sales by Region

- Interactive Slicers: Region, Category, Year

- Consistent color theme and responsive layout

📸 Screenshots

See `Screenshots/dashboard.png` for a sample layout.

📂 Files Included

- `Dataset/Superstore_Sales.csv`: The dataset used in the dashboard

- `Superstore_Dashboard.pbix`: Power BI file (to be added manually)

- `Screenshots/dashboard.png`: Dashboard preview

- `Summary_PPT/Task3_Dashboard_Summary.pptx`: Task summary presentation

❓ Common Interview Questions Answered

1. **What are the key elements of a dashboard?** KPIs, visuals, filters/slicers, layout, interactivity.

2. **What is a KPI?** A measurable value that indicates performance.

3. **What are slicers in Power BI?** Visual filters that allow interactive data slicing.

4. **Difference between Power BI and Tableau?** Power BI is Microsoft's BI tool; Tableau is more design-flexible but paid.

5. **How do you make a dashboard interactive?** Use slicers, drill-throughs, tooltips, and bookmarks.

6. **How do you deal with large datasets in dashboards?** Use data modeling, aggregations, filters, and incremental refresh.

7. **What chart types do you use for trend analysis?** Line charts, area charts, and combo charts.

🔗 Submission Link

Submit your GitHub repo here: https://forms.gle/S7hRFbGEQJPVeq2T6