**Task 5: Dashboard Design**

🎯 **Objective**: Design a professional, interactive business dashboard using Power BI or Tableau that enables stakeholders to make data-driven decisions. Focus on usability, interactivity, visual clarity, and storytelling with data

**Tools Required**: Power BI / Tableau

**Deliverables:** Interactive Dashboard file (.pbix or tableau file)

**Hints / Mini Guide:**

- Identify key KPIs: e.g., Total Sales, YoY Growth, Profit Margin, Customer Retention
- Use slicers (filters) for Region, Product Category, Date
- Apply consistent color themes to make visuals intuitive
- Incorporate tooltips, dynamic titles, and hover effects
- Use DAX in Power BI for custom calculations (e.g., running totals, % of target)
- Add visual hierarchy: cards → charts → tables

**Dataset names from Kaggle suitable for this Task**:

Any Sales_Financial Dataset

**By completing this task, you will:**

- Practical skills in using BI tools that are highly valued in the job market
- The ability to convert raw data into actionable dashboards
- Knowledge of business metrics and how to visualize them for impact
- Understanding of user-centric design for decision-makers
- Experience in building interactive reports with filters and slicers

**Interview Questions Related To Above Task:**

- How do you decide which KPIs to display on a dashboard?
- What makes a dashboard “interactive” and user-friendly?
- Explain how you would build a time-based sales comparison dashboard.
- What are slicers, and how do they differ from filters?
- How can you optimize a dashboard that runs slowly with a large dataset?
- What are measures and calculated columns in Power BI?
- How do you ensure a dashboard tells a story, not just shows data?
- Describe a time you had to simplify a complex dataset into an easy-to-read dashboard.

# DATA ANALYTICS INTERNSHIP

Task Submission Guidelines

⏰ Time Window: You can complete the task anytime between 10:00 AM of Assigned task to 10:00 AM of next day. Submission link closes at 10:00 AM of next day

🔍 Self-Research Allowed: You are free to explore, Google, or refer to tutorials to understand concepts and complete the task effectively.

🛠️ Debug Yourself: Try to resolve a l errors by yourself. This helps you learn problem-solving and ensures you don't face the same issues in future tasks.

💸 No Paid Tools: If the task involves any paid software/tools, do not purchase anything. Just learn the process or find free alternatives.

📂 GitHub Submission: Create a new GitHub repository for each task. Add everything you used for the task — code, datasets, screenshots (if any), and a short README.md explaining what you did.

📤 Submit Here: After completing the task, paste your GitHub repo link and submit it using the link below:
[Submission Link]