**📆 Week 3 Summary – Power BI Dashboard**

**✅ Objective**

To create a dynamic Power BI dashboard based on cleaned sales data, enabling interactive analysis and visual storytelling of key business insights.

**📁 Files Created**

* /powerbi/week3.pbix
* /images/powerbi\_dashboard.png
* /images/powerbi\_slicers.png
* /images/powerbi\_kpis.png

**🧰 Tools Used**

* Power BI Desktop
* Cleaned dataset: cleaned\_data\_v2.csv (imported from Excel)

**📊 Visuals Created in Power BI**

| **Visual Type** | **Description** |
| --- | --- |
| Line Chart | Monthly Sales Trend (Sales by Month) |
| Bar Chart | Profit by Category |
| Tree Map | Sales by Sub-Category |
| Clustered Bar Chart | Sales by Region and Category (combined) |
| KPI Cards | Total Sales, Total Profit, Total Orders |
| Slicers | Filters for Region, Category, and Order Month |

**✨ Dashboard Features**

* Clean, interactive layout with dynamic filtering
* Allows drill-down by Region, Category, Month
* Highlights profitability and sales contribution by product types
* Enables managers to quickly analyze trends and take action

**📈 Sample Insights (from visuals)**

| **Insight** | **Example** |
| --- | --- |
| Peak Sales Month | [Insert month, e.g., Dec] |
| Most Profitable Category | Technology |
| Region with Highest Revenue | West |
| Sub-Category with Strongest Sales | Copiers / Phones (example) |
| Weakest Performing Product Segment | Tables / Bookcases (example) |