

# Introduction to Power BI Dashboard, Q&A and Data Insights Assignment

## 1. Create dashboard on Contoso sale file which highlight Product analysis, Sales Analysis.

The screenshot shows a Power BI dashboard titled "Product Analysis". The top section features a horizontal bar chart titled "SalesAmount by ProductName and ProductLine" with a legend for "ProductLine". The chart displays sales amounts for various projector models. Below the chart is a pie chart titled "SalesAmount by ProductCategory" showing the distribution of sales across categories like Music, Movies and Audio Books, Cell phones, Computers, TV and Video, and Cameras and camcorders. A detailed table below the pie chart lists individual product sales with their names and quantities. The dashboard includes a navigation bar at the bottom with "Page 1" through "Page 5" and a "Page 5" button. The right side of the screen shows the Power BI ribbon with the "Home" tab selected, and the "Visualizations" and "Data" panes are visible on the right.

The screenshot shows a Power BI dashboard titled "Sales Analysis Dashboard". It contains three main visualizations: 1) A bar chart titled "SalesAmount by RegionCountryName" showing regional sales. 2) A stacked bar chart titled "SalesAmount by ProductCategory" showing sales by category. 3) A line chart titled "SalesAmount by MonthName" showing monthly sales trends. The dashboard has a navigation bar at the bottom with "Page 1" through "Page 5" and a "Page 5" button. The right side of the screen shows the Power BI ribbon with the "Home" tab selected, and the "Visualizations" and "Data" panes are visible on the right.

## 2.Apply Power BI Q and A on created dashboard.

The screenshot shows the Power BI desktop application with the "Home" tab selected in the ribbon. The main area displays the "Sales Analysis Dashboard" which consists of three visualizations: a bar chart for SalesAmount by RegionCountryName, a treemap for SalesAmount by ProductCategory, and a line chart for SalesAmount by MonthName. A Q&A card is overlaid on the line chart, asking "total day of month" and suggesting "August, December". The ribbon also shows other tabs like Insert, Modeling, View, Optimize, Help, Format, Data / Drill, and Calculations. The status bar at the bottom indicates it's page 6 of 7, updated at 10:41 PM on May 27, 2025.

## 3.Apply Smart narrative on specific chart and on complete dashboard.

The screenshot shows the Power BI desktop application with the "Home" tab selected in the ribbon. The main area displays the "Sales Analysis Dashboard" with smart narrative applied to the line chart. The narrative states: "At \$785,824,917.755, December had the highest SalesAmount and was 40.02% higher than January, which had the lowest SalesAmount at \$581,216,997.488." It also notes that December accounted for 9.42% of SalesAmount and provides a summary of sales across all 12 months. The ribbon shows the "Format" tab selected, and the status bar at the bottom indicates it's page 6 of 7, updated at 10:43 PM on May 27, 2025.

#### 4. Apply Key influencer for analysing SalesAmount which explain by manufacturer, product name and Continent name.

The screenshot shows the Microsoft Power BI desktop application. The ribbon at the top includes Home, Insert, Modeling, View, Optimize, Help, Format, Data / Drill, and various icons for clipboard operations, data sources, queries, and calculations. The main area displays a "Sales Analysis Dashboard" with several visualizations:

- A bar chart titled "SalesAmount by RegionCountryName" showing sales across different regions and countries.
- A treemap visualization titled "SalesAmount by ProductCategory" showing sales distribution by product category like Computers, TV and Video, and Cell phones.
- An interactive callout titled "Key influencers Top segments" showing how SalesAmount increases when manufacturers like Fabrikam, Inc., Adventure Works, Lihware, Inc., and Wide World Importers increase their sales.
- A bar chart titled "Average of SalesAmount" comparing sales across different manufacturers.

The right side of the screen features a "Visualizations" pane with a search bar and a tree view of data fields under "Data". The "Sales" node is expanded, showing measures like SalesAmount (selected), SalesQuantity, and TotalCost. The bottom of the screen shows the Windows taskbar with various pinned icons and the system tray.