**Assignment Description: Power BI Dashboard for Sales Analysis**

**Objective**:  
To create a Power BI dashboard that provides meaningful insights into sales performance using the provided dataset, which includes **sales values, product details, salesperson description and region information.**

**Instructions**:

1. **Dataset Overview**:
   * Familiarize yourself with the dataset structure.
   * Key fields include:
     + Sales Data: Shared in folder. Use this in such a way that any new data set added in to folder it works smoothly
     + Product Details: Categories, Sub-categories, product names, and IDs. Whole information is given in a worksheet named as Product
     + Region Information: Geographic data for regions/locations. This workbook holds 4 different region data. You need to take care that a single clean table is created with the region name. (Check the necessary cleaning to be done).
     + Salesperson: Name and post of salesperson is mentioned in this data set. Clean and prepare the table carefully.
     + Region and Salesperson: A PDF file with info of sales person and the region to which he belongs is shared here.
2. **Data Preparation**:
   * Clean the data: Handle missing values, duplicates, or any inconsistencies. Take care that if any ned data set is added, your dashboard still can manage that to max level.
   * Ensure relationships between data tables (if applicable) are accurately set up in Power BI.
3. **Key Insights to Focus On**:
   * **Sales Performance**:
     + Total sales by region.
     + Top-performing products.
     + Monthly/quarterly/yearly sales trends.(FY -Apr -Mar)
   * **Product Analysis**:
     + Comparison of sales across product categories.
     + Identification of best-selling and least-selling products.
   * **Regional Analysis**:
     + Sales distribution across regions.
     + High-performing and low-performing regions.
4. **Dashboard Requirements**:
   * **Visualizations**:
     + ~~Bar/Column chart for sales by product and region~~.
     + ~~Line chart for sales trends over time.~~
     + Pie or Treemap for product category contribution.
     + Map visualization for geographic insights.
   * **Filters and Slicers**:
     + Enable users to filter by product, region, and date.
   * **KPIs**:
     + Display key metrics like total sales, average sales, and count.
5. **Narrative and Insights**:
   * Include a brief summary of insights derived from the data on the dashboard or in a separate text box.
6. **Submission Guidelines**:
   * Submit the Power BI (.pbix) file.
   * Include a brief report (PDF or Word) summarizing the dashboard design and key findings.

**Evaluation Criteria**:

* Data preparation and correctness.
* Clarity and relevance of visualizations.
* User interactivity and dashboard design.
* Quality and depth of insights.

**Tools Required**: Power BI Desktop

If you have further questions, feel free to ask!