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Title: Power Bi with Excel

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Submitted to Mr Gizate

Project Description: Power BI with Excel Financial Dashboard

Project Goal: To create an interactive and visually appealing Power BI dashboard to analyze and visualize financial data.

Project Steps:

1. Data Acquisition:

- Download and install Power BI Desktop.
- Import the "Practice Data Power BI.xlsx" file containing financial data.

2. Data Cleaning and Transformation:

- Cleanse and transform data as necessary:
 - Convert data types (e.g., decimal to whole number).
 - Modify text formats (e.g., uppercase, lowercase).
 - Filter out irrelevant data (e.g., discontinued products).

3. Data Modeling:

- Establish relationships between tables using appropriate keys (e.g., date).
- Create a date table to enable time-based analysis.

4. DAX Measures:

- Write DAX formulas to calculate key performance indicators (KPIs):
 - Total sales

5. Report Design and Visualization:

- Design a visually appealing dashboard:

- Add a title: "Executive Summary - Financial Report"
- Utilize various visualizations:
 - Line charts to track trends over time (e.g., profit by month)
 - Maps to visualize geographic distribution of sales
 - Clustered column charts to compare sales across different categories (e.g., product and segment)
 - Slicers to filter and drill down into data

6. Dashboard Enhancement:

- Customize the appearance of the dashboard:
 - Adjust colors, fonts, and formatting.
 - Add tooltips and other interactive elements.

Expected Outcome: A comprehensive Power BI dashboard that provides actionable insights into financial performance. Key stakeholders will be able to:

- Monitor sales trends and identify growth opportunities.
- Analyze profitability by product and region.
- Make informed decisions based on data-driven insights.
- Share the dashboard with relevant teams to foster collaboration.

