Capstone Project: Tourism and Hospitality Data Analysis Dashboard

Project Overview

In this capstone project, you will replicate a data visualization dashboard based on the analysis of a Tourism and Hospitality dataset. The project is designed to assess your ability to follow instructions, replicate a given dashboard accurately, and demonstrate your proficiency in data analysis and visualization using Power BI.

Project Objectives

- To replicate the data visualization dashboard as demonstrated in the provided YouTube tutorial.
- To understand the process of creating visualizations in Power BI.
- To accurately reproduce the dashboard and demonstrate your ability to follow technical instructions.

Project Requirements

- **Video Tutorial**: Watch the provided YouTube video tutorial in its entirety: [Tourism and Hospitality Data Analysis Dashboard](#).
- **Dataset**: Use the Tourism and Hospitality dataset provided as an Excel file attached to this project.

Project Tasks

1. **Data Preparation**:
   - Load the Tourism and Hospitality Excel dataset into Power BI.
   - Perform any necessary data cleaning as demonstrated in the video, including handling missing values, renaming columns, and formatting data types.
   - Ensure that your data is ready for visualization.
2. **Replicating the Dashboard**:
   - Follow the steps in the YouTube video to create a dashboard that includes all the visualizations presented.

- Ensure that the layout, colors, labels, and overall design of your dashboard match the tutorial as closely as possible.

3. **Submission Criteria**:
   - Your final dashboard must match the example in the video tutorial as closely as possible.
   - Submit your PowerBI file that was used to create the dashboard.
   - Submit the final dashboard as an image file (PNG or PDF).

4. **Evaluation**:
   - The project will be graded based on the accuracy of your replication, adherence to the instructions, and the quality of your PowerBI file.
   - A passing mark will be awarded if the replicated dashboard closely matches the example provided in the video.
   - Additional points may be awarded for clear and any enhancements that improve the dashboard without deviating from the original design.

Deliverables

- **Power BI file**: Submit the **.pbix** file used to create the dashboard.
- **Dashboard Output**: Submit the dashboard as a PNG or PDF file.
- **Project Report**: A brief report (1-2 pages) summarizing your process, any challenges faced, and how you overcame them.

Submission Deadline

- The project must be submitted by Friday, August 30, 2024

Support and Resources

- **Video Tutorial**: [Tourism and Hospitality Data Analysis Dashboard](#).
- **Dataset**: [Tourism and Hospitality Excel file].

Grading Criteria

- **Accuracy of Replication** (50%): How closely your dashboard matches the example.

- **Presentation** (20%): The visual quality of the final dashboard.
- **Report** (30%): Summary of your approach, challenges, and solutions.

This capstone project is a comprehensive assessment of your ability to follow instructions, apply data analysis skills, and create professional data visualizations. Good luck!