Project Subject: Data Visualization with Bokeh or Plotly

Project Details

Work: in a group (two persons) or individually

Dateline: January 07, 2024, 23:59.

Rendering: interactive visualization with Bokeh or Plotly in HTML format.

Instructions

Objective: Develop a comprehensive data visualization project using Bokeh or Plotly based on a dataset chosen from Kaggle.

Context and Motivation: Choose a dataset of interest on Kaggle that provides meaningful insights into a specific domain or phenomenon. The motivation behind this project is to explore data visualization techniques that can uncover and communicate complex patterns in data in an interactive and engaging way.

Dataset Selection: The dataset for this project must be sourced from Kaggle. You are encouraged to select a dataset that aligns with your interests or a domain you wish to explore further. Provide a link to the dataset in your project documentation.

Requirements:

- Utilize Bokeh or Plotly for creating interactive visualizations.
- Include at least 10 different graphs, showcasing various types of data representations (e.g., line charts, bar charts, scatter plots, histograms).
- For each graph, include a brief explanation that covers the insights or patterns revealed by the

visualization and its relevance to the dataset's context.

Evaluation Criteria:

- Creativity in the selection and implementation of visualization types.
- Clarity and effectiveness of the visualizations in conveying insights.
- Quality of the code and documentation, including explanations for each visualization.
- The interactivity and user experience of the final HTML output.

Submission Guidelines:

- Submit your project as an HTML file containing all the interactive visualizations.
- Include a README.md file with an overview of the project, setup instructions, and a link to the Kaggle dataset used.
- Ensure your code is well-documented and organized, making it easy for others to understand and replicate your work.