ENV221 Group Work Evaluation Rubric

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Group Presentation Evaluation Rubric

Objective: To demonstrate proficiency in descriptive statistics and data visualization using R to analyze a real dataset.

Criteria:

1. **Dataset Selection and Justification**

   ☐ The team collectively chose one dataset with a clear justification for its selection, considering its relevance and interest.

2. **Data Preprocessing and Cleaning**

   ☐ The dataset was cleaned and prepared effectively, handling missing values, outliers, and data transformations as needed.
   ☐ The dataset was successfully loaded into R for analysis.

3. **Application of Appropriate Descriptive Statistics**

   ☐ Appropriate summary statistics, including measures of central tendency, variability, and shape of distributions, were calculated and presented.
   ☐ Summary statistics were relevant to the dataset and research questions.

4. **Quality and Clarity of Data Visualizations**

   ☐ At least three meaningful research questions were addressed using data visualizations. (Note: for group of four students, four questions are needed.)
   ☐ Visualizations were clear, well-labeled, and effectively conveyed information.
   ☐ Visualizations were created using R packages such as ggplot2 or base R graphics.

5. **Interpretation of Findings**

   ☐ Findings from the data analysis were interpreted and explained.

☐ Insights derived from the visualizations and statistics were discussed and related to the research questions.

6. **Collaboration Within the Team**

☐ Effective teamwork and collaboration were demonstrated throughout the project.
☐ Each team member contributed to the project's success.

7. **Quality of the Final Presentation**

☐ The presentation was well-structured, concise, and engaging.
☐ It adhered to the time limit of 6 minutes for each group of 3 students, 8 minutes for each group of 4 students.