**Environmental Data Analytics**

**Project Report Rubric**

|  |  |  |
| --- | --- | --- |
| **Component** | **Criteria** | **Points** |
| GitHub repository | * Repository contains multiple commits across the project timeline * Commit messages are informative * Repository contains folders for data (subfolders for raw and processed), code, and output. * Metadata file(s) contains information about data source, data structure, units of measure, and repository compilers | /4 |
| Rationale and Research Questions | * Contains clear context for research topic * Contains rationale for dataset of choice * Contains one or more questions of an appropriate scope for the project | /3 |
| Dataset Information | * Describes source and content of data * Details the wrangling process from raw to processed data * Contains a table summarizing the dataset structure | /3 |
| Exploratory Analysis | * Flow between text and visualizations is cohesive * Relevant exploratory information is visualized | /4 |
| Analysis | * Flow between text and visualizations is cohesive * Visualizations and statistical tests pertain directly to specific questions * Statistical results are reported in plain language with relevant statistical output in parentheses * Findings are reported clearly in relation to research questions | /5 |
| Visualizations | * Visualizations illustrate data clearly and simply * Graph type is appropriate for the data * Axes and other aesthetics are formatted correctly * Font is appropriately sized * Color scales are effective and colorblind accessible | /4 |
| Summary and Conclusions | * Major findings are summarized * Conclusions relate back to the original research context | /2 |
| TOTAL |  | /25 |