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, etc.	/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