

Environmental Data Analytics Project Report Rubric

Component	Criteria	Points
GitHub repository	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Flow between text and visualizations is cohesive Relevant exploratory information is visualized 	/4
Analysis	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Major findings are summarized Conclusions relate back to the original research context 	/2
TOTAL		/25