Data Boot Camp Grading Rubric

Project #3: Visualizing Data

Instructions:

Evaluate the student's submitted Project 3 assignment and presentation against the outlined criteria in the rubric below and assign a rating to each criterion. Add points earned across all criteria and convert the total points to a letter grade using the *Recommended Final Project Scoring Breakdown*.

Note:

We encourage students to collaborate and share ideas during the project weeks. Therefore, you may notice shared code, documentation, and/or write-up explanations across student submissions. This is acceptable and should be a consideration when assigning a rating to the student's performance.

Recommended Final Project Scoring Breakdown

Total Rubric Points Achieved	Project Grade
90 or more	A
80–89	B
70–79	C
60–69	D
59 or less	F

Rubric for Project 3:

	Proficiency 20 points	Approaching Proficiency 17 points	Developing Proficiency 14 points	Emerging 12 points	Incomplete

Data Boot Camp Grading Rubric

Project #3: Visualizing Data

Data and Data Delivery	√ Documentation of data components used in the project are clearly documented at a professional level - AND - Individual data and delivery components meet the following criteria: √ The dataset contains at least 100 unique records √ A database is used to house the data (SQL, MongoDB, SQLite, etc.) √ The project is powered by a Python Flask API and includes professional-level use of HTML/CSS, JavaScript, and the chosen database	√ Documentation of data components used in the project is mostly clear - AND - Individual data and delivery components meet the following criteria: √ The dataset contains at least 70 unique records √ A database is used to house the data √ The project is powered by a Python Flask API and includes HTML/CSS, JavaScript, and the chosen database	√ Documentation of data components used in the project is minimal and needs more information - AND - Individual data and delivery components meet the following criteria: √ The dataset contains at least 50 unique records √ A database is used to house the data √ The project is powered by a Python Flask API and includes basic use of HTML/CSS, JavaScript, and the chosen database	√ No documentation of data components used in the project exists but needs significantly more information - OR - Individual data and delivery components meet the following criteria: √ The dataset contains fewer than 50 unique records √ A database was not chosen to house the data √ The project is powered by a Python Flask API but includes minimal use of HTML/CSS, JavaScript	No submission was received -OR- Submission was empty or blank -OR- Submission contains evidence of academic dishonesty
Back End	√ JavaScript library previously unintroduced during class is included and functioning correctly √ The page created to showcase data visualizations runs without error Additionally, project is created using one of the following methods (this is also documented): √ Web scraping and Leaflet or Plotly - OR -	√ JavaScript library previously unintroduced during class is included and functioning with minimal error √ The page created to showcase data visualizations runs with minor errors Additionally, project is created using one of the following methods (this is also documented): √ Web scraping and Leaflet or Plotly - OR -	√ JavaScript library previously unintroduced in class is included but functions with several errors √ The page created to showcase data visualizations runs with significant errors Additionally, project is created using one of the following methods (this is also documented): √ Web scraping and Leaflet or Plotly - OR - √ A dashboard page updated using the same data	√ JavaScript library previously unintroduced in class is included but does not function correctly √ The page created to showcase data visualizations is inoperable Additionally, project fails to use one of the following methods: √ Web scraping and Leaflet or Plotly - OR - √ A dashboard page updated using the same data	

Data Boot Camp Grading Rubric

Project #3: Visualizing Data

	√ A dashboard page updated using the same data	√ A dashboard page updated using the same data			
Visualizations	√ A minimum of three unique views present the data √ Multiple user-driven interactions are included on the final page (such as dropdowns, filters, or a zoom feature) √ The final page displays visualizations in a clear, professional-level manner √ The data story is easy to interpret for users of all levels	√ At least two unique views present the data √ One or two user-driven interactions are included on the final page (such as dropdowns, filters, or a zoom feature) √ The final page displays visualizations in a clear manner √ The data story is easily interpreted by a certain type of audience (for example, a story that is only easily interpreted by a fellow analyst)	√ At least one unique view presents the data √ One user-driven interaction is included on the final page (such as dropdowns, filters, or a zoom feature) √ The final page displays visualizations in a mostly clear manner √ The data story is easily interpreted by a certain type of audience (for example, a story that is only easily interpreted by a fellow analyst)	√ At least one unique view presents the data √ No user-driven interactions are included on the final page √ The final page does not display visualizations in a clear manner √ The data story being told is difficult to interpret	

Data Boot Camp Grading Rubric

Project #3: Visualizing Data

Group Presentation	√ All group members spoke during the presentation √ Group was well prepared √ Presentation was relevant to material √ Presentation maintains audience interest	√ All group members spoke but didn't split time equally √ Group was mostly prepared, with minor hiccups √ Presentation was almost entirely relevant	√ Some group members barely spoke, others spoke for much longer √ Group was fairly well prepared but encountered some major hiccups √ Presentation was mostly relevant	√ Not all group members spoke during the presentation. √ Group seemed unprepared, the presentation is scattered or confusing √ Presentation was not relevant to material	
Slide Deck	√ Slides are visually clean and professional √ Slides are relevant to material √ Slides effectively demonstrate the project √ Slides are clear and maintain audience interest	√ Slides are visually clean and professional but contain minor areas for improvement √ Slides are almost entirely relevant to material √ Slides are mostly effective at demonstrating the project	√ Slides are visually clean and professional but contain areas for improvement √ Slides are somewhat relevant to material √ Slides are somewhat effective at demonstrating the project	√ Slides are not visually clean and professional and contain substantial areas for improvement √ Slides are not relevant to material √ Slides do not effectively demonstrate the project	