**DATA 602 Final Project Rubric**

| **Section** | **Criteria** | **Excellent (4)** | **Good (3)** | **Satisfactory (2)** | **Needs Improvement (1)** |
| --- | --- | --- | --- | --- | --- |
| **Abstract** | Concise summary (≤300 words) of research question, methods, and conclusions | Clear, concise, and comprehensive | Mostly clear, slightly over word limit | Vague or incomplete, exceeds word limit | Missing or poorly written |
| **Introduction** | Clearly states research question and justifies its relevance | Question is specific, relevance is compelling | Question is clear, relevance is adequate | Question is vague, relevance is weak | Missing or unclear question/relevance |
| **EDA** | Includes well-labeled, appropriate visualizations with descriptions | Visuals are insightful, well-labeled, described | Visuals are clear, minor labeling issues | Visuals are present but lack clarity | Missing or inappropriate visuals |
| **Data Wrangling** | Demonstrates tidying, handling missing values, and structuring data | Thorough, well-documented process | Adequate, some documentation lacking | Basic effort, minimal explanation | Incomplete or missing |
| **Data Analysis** | Applies appropriate methods to answer research question | Robust, logical, and well-executed | Mostly sound, minor errors | Limited analysis, some relevance | Weak or irrelevant analysis |
| **Conclusions** | Summarizes findings, ties back to research question | Insightful, directly tied to question | Clear, mostly tied to question | Vague or loosely connected | Missing or unrelated |
| **Format & Submission** | Adheres to chosen format (e.g., PDF, Colab, PPT) and includes code | Polished, organized, code included | Mostly organized, code present | Somewhat disorganized, code incomplete | Messy, missing key components |
| **Overall Clarity** | Writing, structure, and flow of the project | Exceptionally clear and professional | Generally clear, minor issues | Readable but lacks polish | Confusing or unprofessional |

**Scoring Guidelines**

* **Total Points:** 32
* **Grade Breakdown:**
  + 29–32: Excellent (A)
  + 25–28: Good (B)
  + 21–24: Satisfactory (C)
  + Below 21: Needs Improvement (D/F)