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| Introduction | Data background is not stated.  **0** | Data background is not clearly stated and/or is not accurate.  **1** | Data background description is reasonably clear.  **2** | Data background description is very clear and thorough. In addition, the student gave a compelling reason why the question is interesting.  **3** |
| Data Analysis -- Coding | No R code is included in the presentation.  **0** | R code for graphs and data summary has errors, or is not completely present.  **1** | R code is present and largely correct. Students made use of dplyr, ggplot, techniques learned in class.  **3** | R code is correct, uses techniques learned in class, and is well documented with comments in the Rmd script.  **5** |
| Data Analysis –  Graph Quantity | No graphs are included in the presentation.  **0** | An insufficient number of graphs are included, or all the same type of graph.  **1** | Minimal number of graphs included, mostly of the same type.  **2** | A sufficient number of graphs are presented of different types  **3** |
| Data Analysis –  Graph Quality | No graphs are included in the presentation.  **0** | Graphs are included, but are incorrect or inappropriate for the particular data  **1** | Graphs are included, and are appropriate to the data.  **2** | Graphs are interesting, attractive, and easy to interpret  **3** |
| Machine Learning Method | No machine learning methods are included.  **0** | One or more machine learning methods are used, but they are inappropriate, or done incorrectly.  **1** | Machine learning methods are used, but not ideal methods, contributing little information, or work not all correct.  **3** | A sufficient amount of machine learning analysis is presented. Results are appropriate, interesting, and contribute to the understanding of the data.  **5** |
| Data Analysis  (Numerical Summaries)-- Written Description | There is no written description of the data analysis.  **0** | The written description of the data analysis is incorrect or not relevant to answering the research question  **1** | The written description of the data analysis is accurate but not complete  **3** | The written description of the data analysis is accurate and completely describes the important features of the distribution  **5** |
| Conclusions | There is no written interpretation of the overall project.  **0** | There is a written interpretation, but it is incorrect.  **1** | Written interpretation is correct, but not clear and/or not in context  **2** | Written interpretation is clear and correct and in the context of the research question.  **3** |
| Limitations and Recommendations | There is no discussion of limitations of the project or ideas for future work  **0** | There is some discussion of limitations and ideas for future work, but the ideas are unclear and/or don’t make sense  **1** | Limitations of the study and ideas for future work are described and are generally sensible but are lackluster  **2** | Student sensibly describes limitations of the study and has strong suggestions for future work.  **3** |
| Quality of Writing | Work is not submitted.  **0** | Write up does not use complete sentences and/or uses poor spelling and grammar  **1** | Write up uses complete sentences but has quite a few spelling and/or grammatical errors  **2** | Write up uses complete sentences and has almost no spelling and/or grammatical errors  **3** |
| Quality of Rmd script | Rmd is not submitted.  **0** | Rmd is submitted, but does not work, or html format is not correct.  **1** | Rmd script is mostly correct, but there are a few issues with completeness and/or format.  **2** | Rmd script is correct, and produces a good-looking html document with all the necessary parts.  **3** |
| Total Score | **Points above: /36**    **+ Proposal /2**    **+ Draft: /4**  **+ Presentation: /3**  **+ Completing a group evaluation afterwards: /2**  **+ Group points /3 = 50 points total** | | | |
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