



### Grading Rubric:

| Criteria   | Poor Command<br>Score: 1  | Fair/<br>Some Command<br>Score: 2  | Good<br>Command<br>Score: 3  | Superior<br>Command<br>Score: 4   |
|--|---|--|--|---|
| Abstract   | A summary of the contents of assignment work is poorly explained.   | A summary of the contents of assignment work is fairly explained.  | A summary of the contents of assignment work is adequately explained.  | A summary of the contents of assignment work is clearly explained.  |
| Data Analysis Process                                    | Problem Definition, Data Collection, Data Cleaning and Data Processing, Data Analysis, Data Visualization and Data storytelling are poorly done and explained.                                    | Problem Definition, Data Collection, Data Cleaning and Data Processing are clearly explained. Data Analysis, Data Visualization and Data storytelling are poorly done and explained. | Problem Definition, Data Collection, Data Cleaning and Data Processing are clearly explained. Data Analysis, Data Visualization and Data storytelling are fairly done and explained. | Problem Definition, Data Collection, Data Cleaning and Data Processing are clearly explained. Data Analysis, Data Visualization and Data storytelling are clearly done and explained. |
| References   | References were insufficient and not formatted.   | References were insufficient and not well formatted.   | References were sufficient, recent, and well formatted in IEEE format.   | References were sufficient, very recent, and well formatted in IEEE format.   |
| Appendix   | Jupyter notebook program is added without any comments statement.   | Each line in the Jupyter notebook program is fairly explained by using comments statement.   | Each line in the Jupyter notebook program is explained adequately by using comments statement.   | Each line in the Jupyter notebook program is clearly explained by using comments statement.   |
| Format (Language (Spelling, Wording, Grammar) & Efforts) | Errors are serious and numerous. Reader must stop and reread and may struggle to discern the writer's intention. Multiple and serious errors. Very little effort. Poor and unfinished assignment. | Frequent errors that impede the flow of communication. Ok with < 15 errors. Inconsistent effort. Generally complete assignment with care.  | Occasional errors that have only minor impact on flow of communication. Good with < 10 errors. Makes good effort. Generally, completes assignment with thoroughness.                 | There are no errors that impair the flow of communication. Perfect with < 5 errors. Works to the best of his/her ability. Produce a high quality finished assignment.                 |