**Evaluation Rubric**

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| **Criteria** | **Meets expectations** | **Does not meet expectations** |
| **Question 1**  **[~15%]** | The decision variables, objective function and constraints are properly written as mathematical equations and are a part of the report.  A proper explanation for each mathematical formulation. | Wrong choice of  decision variables, wrong constraints/objective function   No proper explanation for each formulation. |
| **Question 2**  **[~35%]** | Problem statement task is correctly identified and executed.    Optimised value of the objective function is shown by printing.    Dataframe with showing the values of the decision variables for each state and month (at least).  The solution output matches the expected output. | Problem statement task is not correctly identified and/or executed. For example, incorrect constraint or objective function methods.  Optimised value of the objective function is not shown.  The solution output doesn't match the expected output, partially or fully. |
| **Question 3**  **[~25%]** | Problem statement task is correctly identified and executed.    Optimised value of the objective function is shown by printing.    Created a dataframe with showing the values of the decision variables for each state and month (at least).  The solution output matches the expected output.  Answers pertaining to each subtask are printed and shown.  For example, the value of the increase in the average cost per application process asked in one of the subtasks. | Problem statement task is not correctly identified and/or executed. For example, incorrect constraint or objective function methods.    Results dataframe is not created properly.    Optimised value of the objective function is not shown.  The solution output doesn't match the expected output, partially or fully.  Answers pertaining to each subtask are not printed and shown. |
| **Question 4**  **[~15%]** | Problem statement task is correctly identified and executed.    Have shown appropriate charts in the report. | Problem statement task is not correctly identified and/or executed.    Wrong charts are created. |
| **Coding guidelines**  **[~5%]** | Appropriate comments are written for each part of the code.    If new variables are created, the names are descriptive and unambiguous.   Overall, code readability is good with appropriate indentations and comments. | Comments are not written rendering the code difficult to understand.    Variables are poorly or ambiguously named.  Code readability is poor because of poor indentation / other reasons. |
| **Documentation**  **[~5%]** | Results are properly documented for each task.    Clear and concise inferences based on the results. | No proper documentation and inferences are written. |

Reference : https://jovian.ai/trineedas94/staff-planning-stub