Project Plan

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| Serial Number | Test case description | Expected result | Actual result | Test date | Test pass/fail |
| 1 | State the Research Objectives and requirement | Project Objectives should be set based on the client’s requirement and being expressed in SMART terms. |  |  |  |
| 2 | Construct Project Milestones | Project Milestone should represent all the completion of each product in the project. |  |  |  |
| 3 | Construct Deliverables | Deliverables should represent all the product of this project. |  |  |  |
| 4 | Construct Work Tasks | Work Tasks should be generated according to the activities that needs to be done to produce the deliverables |  |  |  |
| 5 | Construct Scheduling | Work task should be scheduled in a logical order according to the timeline the team has for the project. Besides, task should be scheduled according the priorities. |  |  |  |
| 6 | Construct Critical Path | Critical Path needs to be generated from the schedule according to the priorities of the tasks |  |  |  |
| 7 | Construct Constraints | Constraints should include all the assumptions and factors that will limit what the project can achieve. |  |  |  |

Data Analysis and Model Selection

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| Serial Number | Test case description | Expected result | Actual result | Test date | Test pass/fail |
| 1 | Understand and Clean data | Problem/Requirements should be properly break down. Data should be cleaned and modify to help further exploration. |  |  |  |
| 2 | Explore and Analyse | Plots and Summaries should be generated to further analyse and explore the data in order to obtain the solution. |  |  |  |
| 3 | Select Variable | Variables should be selected by using any of the existing methodologies with justification. |  |  |  |
| 4 | Fit GLM | The selected variables should be fit in a few models with appropriate linked function and distribution. |  |  |  |
| 5 | Select Model | Fitted Models should be compared by using any of the existing methodologies. |  |  |  |
| 6 | Validate Model | Selected model should be validated by obtaining the prediction from the selected model to determine the accuracy. |  |  |  |
| 7 | Evaluate Results | Result from the validation should be evaluated according to statistic’s knowledge. Justification needs to be made to support the result. |  |  |  |
| 8 | Draw Conclusion | Conclusion needs to be drawn according to the evaluated results. |  |  |  |

Presentation

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| Serial Number | Test case description | Expected result | Actual result | Test date | Test pass/fail |
| 1 | Construct Presentation Slides | Presentation Slide need to be constructed according to the elements that need to be presented to the clients. |  |  |  |

Technical Report

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| Serial Number | Test case description | Expected result | Actual result | Test date | Test pass/fail |
| 1 | Construct Introduction | Introduction should be constructed so that it describes the problem and the context of the client’s requirement. |  |  |  |
| 2 | Construct Literature Review | Literature review should be constructed by describing the existing model and the pros and cons of the existing model. |  |  |  |
| 3 | Construct Data Analysis | Data Analysis should include summaries of the data exploration. |  |  |  |
| 4 | Construct Method | Methods should be explaining the modelling method that has been utilised in the project. Besides, methods should include the method for variable selection, GLM as well as validation. |  |  |  |
| 5 | Construct Results | Result should be explaining the model coefficients, assumptions and validation under uncertainty. |  |  |  |
| 6 | Construct Model Interpretation | Model Interpretation should be constructed to answer the questions and the requirements given by the clients. |  |  |  |
| 7 | Construct References | References needs to include all the cited material. |  |  |  |

Executive Summary

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| Serial Number | Test case description | Expected result | Actual result | Test date | Test pass/fail |
| 1 | Summarise problem and context | A concise version of the problem and context from the technical report. |  |  |  |
| 2 | Summarise collected data | A concise summary of the data that has been collected. |  |  |  |
| 3 | Summarise reviews literature | A concise summary of the professional has done in the past for any similar project. |  |  |  |
| 4 | Justify the chosen method | Evidence that support the chosen model and methods that have been utilized throughout the project. |  |  |  |
| 5 | Summarise result | Concise summary of the final result. |  |  |  |
| 6 | State uncertainty | Any uncertainty or assumption in the project. |  |  |  |
| 7 | Summarise validity and fit of the model | Concise summary of how well the model does. |  |  |  |
| 8 | Justify recommendation | Evidence that supports the recommendation given to the client. |  |  |  |

Project Plan Review

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| Serial Number | Test case description | Expected result | Actual result | Test date | Test pass/fail |
| 1 | Construct Project Management Summary | Concise summary of the overall project management |  |  |  |
| 2 | Construct Team Reflection | Reflect and summarise the overall working experience with each members of the team. |  |  |  |