	Outstanding	Excellent	Very Good	Good	Acceptable	Insufficient
Data Preparation (20)	**17 - 20** Data preparation is flawless. Any potential issues in the dataset have been identified and fully addressed through the data preparation step. Rationale behind approach is explained and justified. The student demonstrates that methods used improve the accuracy of the model. Shows evidence of independent research. Includes novel data-preparation techniques worthy of publication in a peer-reviewed journal with few if any edits	**15 - 16** Data preparation is excellent. Most potential issues in the dataset have been identified and sufficiently addressed through the data preparation step. Rationale behind approach is explained and justified. The student demonstrates that methods used improve the accuracy of the model. Demonstrates mastery of module content. Shows evidence of independent research.	**13 - 14** Data preparation is very good. Most potential issues in the dataset have been identified, and some work has been done towards addressing them. The approach is cohesive and shows some evidence of planning. Demonstrates competence with module content.	**11 - 12** Data preparation is good. Shows evidence of having competently examined the dataset for potential issues. Data preparation makes some contribution to improving the model accuracy. Demonstrates some familiarity with module content.	**8 - 10** Data preparation is acceptable and performs at least the minimum necessary to enable the student to carry out a machine learning experiment. Data preparation is somewhat informed by module content	**0 - 7** Data preparation fails to do the minimum necessary to enable the student to carry out a machine learning experiment
Implementation (30)	**24 - 30** Implementation is flawless. Model parameters are explored and discussed, and decisions taken are thoroughly informed both by theoretical considerations and empirical results. Demonstrates mastery of module content and indepdenent research worthy of publication in a peer-reviewed journal with few if any edits	**21 - 23** Implementation is excellent. Model parameters are explored and discussed, and decisions taken are informed both by theoretical considerations and empirical results. Demonstrates mastery of module content.	**18 - 20** Implementation is very good. The student has made use of all relevant model parameters, and decisions taken show some awareness of either theoretical considerations or empircal results. Demonstrates competence with module content.	**15 - 17** Implementation is good. The student demonstrates some exploration of model parameters, and decisions taken have some rationale. Demonstrates some familiarity with module content.	**12 - 14** Implementation is acceptable. The student has done at least the minimum necessary work to create a functional model. Implementation is somewhat informed by module content	**0 - 11** Implementation fails to do the minimum necessary to create a machine learning model
Model Evaluation (25)	**20 - 25** Model evaluation is flawless. The student tailors the evaluation to the types of real-world scenarios in which the model would be deployed, choosing appropriate evaluation metrics etc. Findings are interpreted where possible and individual strengths/weaknesses of model(s) are discussed and investigated. Evaluation includes a convincing prediction of how the model would fare on unseen data, with some quantifiable confidence bounds where practicable. Demonstrates mastery of module content. Shows evidence of independent research worthy of publication in a peer-reviewed journal with few if any edits	**17 - 19** Model evaluation is excellent. The student tailors the evaluation to the types of real-world scenarios in which the model would be deployed, choosing appropriate evaluation metrics etc. Findings are interpreted where possible and individual strengths/weaknesses of model(s) are discussed and investigated. Evaluation includes a convincing prediction of how the model would fare on unseen data, with some quantifiable confidence bounds where practicable. Demonstrates mastery of module content.	**15 - 16** Model evaluation is very good. The student tailors the evaluation to the types of real-world scenarios in which the model would be deployed, choosing appropriate evaluation metrics etc. Findings are interpreted where possible and individual strengths/weaknesses of model(s) are discussed and investigated. Evaluation includes a reasoned prediction of how the model would fare on unseen data. Demonstrates competence with module content.	**12 - 14** Model evaluation is good. The student produces an appropriate quantitative evaluation. Includes some engagement and attempt to interpret findings. Demonstrates some familiarity with module content.	**10 - 11** Model evaluation is acceptable. The student produces some objective evaluation. Findings are relayed to the reader. Evaluation is somewhat informed by module content	**0 - 9** Fails to do the minimum necessary to produce an objective evaluation of the model(s)
Kaggle Standing (5)	**4 - 5** Student ranks at least 80th centile in Kaggle rankings	**3.5** Student ranks at least 60th centile in kaggle rankings	**3** Student ranks at least 40th centile in Kaggle Rankings	**2.5** Student ranks at least 20th centile in Kaggle rankings	**2** Student has submitted Kaggle ranking	**0** Kaggle ranking not submitted
Discussion (20)	**17 - 20** Discussion is outstanding. Findings are relayed clearly and succintly. Discussion is well structured and demonstrates a fluency of communication. Excellent use is made of visualisations to illustrate points made. Document does not exceed maximum length. An outstanding example of academic writing.	**15 - 16** Discussion is excellent. Findings are relayed clearly and succintly. Discussion is well structured and demonstrates a fluency of communication. Excellent use is made of visualisations to illustrate points made. Document does not exceed maximum length	**13 - 14** Discussion is very good. Findings are relayed clearly. Discussion is well structured. Makes some use of visualisations to demonstrate points made. Document does not exceed maximum length.	**11 -12** Discussion is good. Findings are relayed clearly and document is well structured.	**8 - 10** Discussion is acceptable. Findings are communicated to the reader in a somewhat structured way	**0 - 7** Fails to communicate findings to the reader