

	Outstanding 10	Excellent 8 - 9	Very Good 6 - 7	Good 5	Acceptable 2 - 4	Insufficient 0 - 1
<b>Data Preparation (10)</b>	Data preparation is flawless. Potential issues and opportunities 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	Data preparation is excellent. Most potential issues and opportunities in the data 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.	Data preparation is very good. Potential issues and opportunities in the data 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.	Data preparation is good. Shows evidence of having competently examined the data. Data preparation makes some contribution to improving the model accuracy. Demonstrates some familiarity with module content.	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	Data preparation fails to do the minimum necessary to enable the student to carry out a machine learning experiment
<b>Implementation (30)</b>	24 - 30 Implementation is flawless. Features and model parameters are fully explored and discussed, and decisions taken are thoroughly informed both by theoretical considerations and empirical results. Demonstrates mastery of module content and independent research worthy of publication in a peer-reviewed journal with few if any edits	21 - 23 Implementation is excellent. Features and 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 a variety of features, relevant model parameters, and decisions taken show some awareness of either theoretical considerations or empirical results. Demonstrates competence with module content.	15 - 17 Implementation is good. The student demonstrates some exploration of features and 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
<b>Model Evaluation (25)</b>	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 presented and fully discussed and interpreted. Individual strengths/weaknesses of model(s) are investigated and discussed. Evaluation includes a convincing prediction of how the model would fare on unseen data. 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 clearly presented and interpreted. Individual strengths/weaknesses of model(s) are investigated and discussed. Evaluation includes a convincing prediction of how the model would fare on unseen data. Demonstrates mastery of module content.	15 - 16 Model evaluation is very good. The student considers the types of real-world scenarios in which the model would be deployed, choosing appropriate evaluation metrics etc. Findings are presented and interpreted at some level. Individual strengths/weaknesses of model(s) are considered. 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. Findings are presented. 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)
<b>Clarity and Best Practice (10)</b>	8 - 10 Code is fully clear and legible, commented appropriately and adheres to best practices. Document is extremely well presented; following a clear and logical structure and contains no typographical errors. Submission instructions followed flawlessly.	7 - 8 Code is clear and legible, commented appropriately and adheres to best practices. Document is well presented, clearly and logically structured, containing very few typographical errors. Submission instructions followed completely.	6 - 7 Code is legible and commented. Document is structured, well presented, and generally free of typographical errors.	5 - 6 Code is legible, document follows a basic structure and shows some evidence of polish and error checking.	4 - 5 Code is difficult to follow and/or document shows little evidence of structure or error-checking	0 - 4 Document is very difficult to follow, showing no evidence of structure or error-checking
<b>Discussion (20)</b>	17 - 20 Discussion is outstanding. Findings are relayed clearly and succinctly. 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 succinctly. 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
<b>Kaggle Standing (5)</b>	5 Student ranks above the 50th percentile in Kaggle rankings		3 Student ranks below the 50th percentile in Kaggle Rankings			0 Kaggle ranking not submitted