UNIVERSITY OF LINCOLN

CMP3751M Machine Learning, Assessment Item 2

Learning Outcome	Criterion	Pass	2:2	2:1	1st
[LO3] Using a non-trivial dataset, plan, execute and evaluate significant experimental investigations using multiple machine learning strategies.	Jupyter notebook solutions (100%)	Individual components of the two classification methods are developed (e.g. dataset statistics, Euclidean distance, entropy calculation). Some of the questions analysing the model evaluation are answered, or partial answers are provided. Coding style is readable.	The individual components of the two classification methods are developed. A classification model has been successfully fitted to numerical data, using at least one of the required classification approaches. The questions analysing the model evaluation are correctly answered. Clear coding style with code comments.	The individual components of the two classification methods are developed. A classification model has been successfully assembled using these components. Both a kNN and DecisionTree model have been successfully fitted to numerical data. The questions analysing the model are clearly and correctly answered. Clear and well-commented code.	Working implementation of both classification methods assembled from individual components. A kNN model has been successfully fitted to numerical data, and a DecisionTree model has been successfully fitted to both numerical and categorical data. The questions analysing the model are answered clearly and in detail. The code is efficient, well-structured and well-commented.

Weighting The single criterion for this assessment is weighted as indicated.