

Coursework Assessment Matrix

Module Title	Data Mining and Machine Learning	Module Code	22COC131
Student ID		Mark/Grade	

	Fail	Third	Lower Second (2:2)	Upper Second (2:1)	First
<i>Program Structure: Logic</i> (approx 15%)	Program logic is fatally flawed, and program does not operate as required. Program fails to run.	A few problems with Logic. The program performs some of its tasks with runtime error.	Logic is sufficient for the program to perform most of its tasks with only the occasional runtime error.	Logic is sound. Suitable visualizations are provided.	Logic is very good. Visualizations are comprehensive and clearly depict the results of all steps in the program.
<i>Program Structure: Features</i> (approx 50%)	Program falls short of fulfilling the tasks in the coursework and cannot be considered usable.	Program implements all but one or two less important features of the tasks and can be considered just usable.	Program operates according to minimum requirement. The program is fit for purpose.	The program exceeds the tasks, in aspect of analysis, as described in the coursework description.	The program exceeds the tasks adding all the features (and beyond for a high Distinction) and exhibits exceptionally good use of visualizations.
<i>Maintainability: Style</i> (approx 25%)	Variable names inappropriate or unclear [e.g. use of TLA's (three letter acronyms) throughout].	Variable and function names are for the most part appropriate and structure is clear and readable.	Variable and function names are well thought out and used throughout. Global and local variables are used appropriately. Appropriate data structures are used (e.g. List, Array and Dictionary, Data Frames etc). programs are created as described in the coursework description.	Variable, function, class and module names are used in a way that means the code documents itself. Reusability of code has been well considered in the program/module design.	Code structures are used very well to improve the software quality and modules are used to improve the reusability.
<i>Maintainability: Docstring/markdown and comments</i> (approx 10%)	Comments or docstring extremely limited and/or little or no use to the programmer or end user.	Very important docstrings and comments are missing. Some parts of the code are over commented.	Sufficient comments, docstrings and markdown are included to make it possible to follow the program logic.	All functions and modules are provided with an appropriate docstring. There is little evidence of over commenting.	Comments are used judiciously throughout. Docstring provided are comprehensive and clear. Markdowns are diligently used to create sections

Other feedback:

Signed:

Notes:

1. The final grade will be allocated according to distribution of grades as indicated in the matrix above together with academic judgment (this is necessary as both grades Distinction and Fail span disproportionate percentages when compared to the other grade boundaries).
2. Typically, grades in the table should be considered cumulative – that is it is not possible to achieve an upper second without also demonstrating the outcomes in the boxes for lower second first.
3. if the supplied programs do not run the project will be marked as a **fail** and be allocated a mark of **0**. Please ensure you test all your modules run before submitting your coursework.