

# Data Mining

## Marks Breakdown for the Presentation

The below is a breakdown of the marks for the report.

- A maximum of **10** marks will be awarded for **content**, i.e. ‘is the report correct?’, ‘is the report suitable?’, ‘is the report sufficient?’ etc. Roughly, 0-4 marks awarded for minimal content that either barely addresses the topic or has significant errors. There will be limited comparison between topics and limited data preprocessing. Next, 5-7 marks will be awarded for a reasonable attempt that is relevant and sufficient, but perhaps lacks detail or may have non-trivial errors which are not overly significant. There should be at least some comparison between topics and some evidence of data preprocessing which is not simply superficial. Finally, 8-10 marks for those reports with significant content that is very suitable and has little to no error. There should be an excellent comparison between topics and clear evidence of data preprocessing.
- A maximum of **10** marks will be awarded for the **application**. Roughly speaking, 0-4 marks will be awarded if very little effort has been shown (e.g. plugging random numbers into algorithms or Wikipedia style ‘can be used for...’ statements which lack any justification), 5-7 marks will be awarded for some clear attempt to apply data mining techniques to the data set, but in which detail is lacking, or the results obtained are uninspired. Finally, 8-10 marks will be for those who provide a thorough application of the chosen data set and obtain novel or deep results that demonstrate a strong understanding of the topic.
- A maximum of **10** marks will be awarded for **coding**. Roughly speaking, 0-4 marks will be awarded if only limited coding is applied (e.g. simply using Python to compute the mean of each column in a data matrix, or code in which several parts do not run as intended), 5-7 marks will be applied if a reasonable attempt has been made to use Python (or any other suitable programming language) in a way that complements the overall goal of the report. Finally, 8-10 marks will be awarded if excellent coding skills are demonstrated.
- A maximum of **5** marks will be awarded for **originality**. This is to reward those who demonstrate more than an ability to copy from various resources. Full marks will be awarded for imaginative and interesting applications which fully address the topic.
- A maximum of **5** marks will be awarded for **logic and discussion**, i.e. ‘is the report logically structured?’, ‘is there a suitable discussion of the points made in the report?’ etc.

- A maximum of **10** marks will be awarded for **spelling, grammar and layout**, i.e. ‘is the spelling and grammar correct?’, ‘is there an introduction and conclusion present?’, ‘are the references clearly listed alphabetically?’ etc.

Total marks = 50