

CSC345/CSCM45 Big Data and Machine Learning

Coursework Mark Sheet

Student Number: _____ Name: _____

Sub-task	Comments	Mark
Introduction		/ 2
Method		/ 4
Implementation		/ 4
Results		/ 3
Conclusion		/ 2
References		/ 1
Communication		/ 2
Report Presentation		/ 2
General Comments		

Total mark: _____ / 20

Marking scheme breakdown (total 20 marks):

Introduction (2 marks):

0 marks – No introduction given.

1 mark – Introduction is superficial and simply describes the coursework task.

2 marks – Introduction is well structured and provides insight into the problem.

Method (4 marks):

0 marks – Methods chosen are unsuitable for the task. No clear understanding of why the chosen methods were selected.

1 mark – Suitable methods are chosen. Reasoning behind their choice is not well defined. Little comparison is provided between methods.

2 marks – Suitable methods are chosen. Reasoning behind their choice is given, but only superficially. The pipeline is present, but no research question is considered.

3 marks – Methods are well chosen and clear understanding of the reasons behind their choice is provided. Some comparison between methods is given via a hypothesis to be explored.

4 marks – Excellent choice of methods and experimental setup is provided which is designed to answer this question. Comparisons between methods are given.

Implementation (4 marks):

0 marks – No proof of implementation provided. Implementation is very basic.

1 mark – Implementation provided but does not follow the methods presented. Some issues present which may cause errors in machine learning pipeline. Comments are superficial.

2 marks – Implementation is clear and follows the proposed method(s). Experiments are provided but may not be optimally implemented. Documentation / commenting is present.

3 marks – Implementation is clear and concise. Experimental setup is clear and the code is of good quality.

4 marks – Implementation is of a very high quality. Code is presented in a way which makes it clear the proposed methods have been followed. A strong experiment-driven implementation is provided.

Results (3 marks):

0 marks – No results presented.

1 mark – Some results presented. No comparisons given. Little insightful results reported.

2 marks – Some comparison given between methods. Some use of experimental design.

3 marks – Strong reporting of experiment-driven empirical evidence.

Conclusion (2 marks):

0 marks – No conclusion given, or simply reports the results or is superficial in its insight.

1 marks – Conclusion simply reports the results or is superficial in its insight.

2 marks – A deep critical conclusion is provided and shows understanding of the problem, the solution provided and the empirical evidence reported.

References (1 marks):

0 marks – No references or unsuitable references used.

1 mark – Suitable referencing used to support document.

Communication (2 marks):

0 marks – Little to no communication of ideas or findings.

1 mark – Able to describe the pipeline implemented, able to present the results found.

2 marks – Well presented and critical insight given. Able to answer questions well.

Report Presentation (2 mark):

0 marks – Report is not well structured, is poorly presented and unclear in places.

1 mark – Report is well structured and follows the relevant sections expected in a paper.

2 marks – Report structure is excellent with minimal flaws. Narrative structure is good and reflects a piece of academic research.