

# STATS 780/CSE 780, Winter 2021

## ASSIGNMENT 1

**Submit to Crowdmark using the link that was emailed to you.**

**Due before 10.00am on Friday, January 22nd.**

**Your assignment must conform to the Assignment Standards listed below.**

**Assignments submitted up to 24 hours late will incur a 30% penalty.**

**Assignments submitted more than 24 hours late will receive a zero grade.**

Find a data set that is suitable as a topic of an association rule analysis; you may not use a data set that was discussed in class on January 15th. Briefly describe your chosen data set and clearly explain where it was sourced. Carry out a thorough association rule analysis of your chosen data set. Provide a clear and concise description of the results. Clearly state what conclusions can be drawn from your analysis — these conclusions should be cast in the context of your chosen data set.

The marking scheme for the assignment is as follows:

- Description of data including source, details on variables, relationships between variables, descriptive analyses, etc. [5 marks]
- Description of the problem being addressed. [3 marks]
- Description of the techniques used. [6 marks]
- Descriptions of results, both in technical terms and in the context of the data. [6 marks]
- Conclusions, in the context of the data and the problem being addressed. [5 marks]

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### Assignment Standards

- L<sup>A</sup>T<sub>E</sub>X is strongly recommended but not strictly required.
- Eleven-point font (times or similar) must be used with 1.5 line spacing and margins of at least 1 inch all around.
- Your report may not exceed **two pages**, inclusive of tables, figures, and bibliography.
- Do not include a title page. The title and your name should be printed at the top of the first of the two pages.
- The writing and referencing should be appropriate to the graduate level.

- Various tools, including publicly available internet tools, may be used by the instructor to check the originality of submitted work.
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