Advanced Data Science and Visualization

COSC 460

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Office Hours: TBA (please fill out the survey)

1 Overview

This course serves as an advanced exploration into the programming and data visualization techniques required for data science. Topics include: advanced inference and predictive modelling, data mining, data visualization, and ethics in data science. Prerequisite: COSC 360 or permission of the instructor.

2 Evaluation

The breakdown of the grading is as follows:

- Homework 70%

- Readings Responses 10%

- Project 15%

- Participation 5%

3 Attendance and Tardiness

Attendance is highly recommended. I expect students to be in class at the beginning of the class period, if you have circumstances that prevent you from being in class on time, please let me know as soon as possible. While there is no required attendance you are expected to participate while in class and your grade will be lower if you do not participate in class discussions or group work.

4   Late Policy

Reading Responses will be due before class as we will be discussing them in class. Late readings will be accepted for 10% of their original point value until the end of the semester.

Homework will be awarded 5% fewer points per day late for up to six days after the due date. Homework will not be accepted after six days.

There will be limited opportunity to turn in the final project as it is due at the end of the semester, the late penalty will be 10% a day and students should communicate with the professor to learn how late submissions will be accepted (the cut off will be the same for everyone but the final date may change depending on other deadlines)

5   Cell Phones

Be sure to silence all electronic devices when you are in class. If they go off in class they are a distraction to everyone in the class. Habitual offenders will be excused from class with a 0 for particiation for the day.

6   Masks

I am very grateful to the many thousands of people who worked very hard to develop the vaccine and the tens of thousands of people who organized the distribution of it. The research suggests however that vaccinated people can spread COVID and catch the disease, therefore regardless of school policy changes throughout the semester when you are in the classroom you will be required to wear a mask at all times. You may step outside if you would like to lift your mask to take a drink of water, get a bite to eat, or scratch your nose.

7   Academic Dishonesty

Any violation of academic integrity will result in an automatic zero for that assignment and will be reported to Academic Services. Severe violations of academic integrity or a second offence will result in a more severe penalty up to, and including, an automatic F in the course.

8   Closing

The most important thing in any of my classes is that your are safe and healthy, after that your learning is important and I hope that you are able to expand your horizons in this course. If you have any undue difficulty with your work as

it pertains to this class, please contact me as soon as possible. Always remember that the professors win when you don't need us any longer.