



STAT 480 (MAST 678/MAST 881), Sec. AA (Fall 2026) Statistical Consulting & Data Analysis

Instructor:	Dr. L. Kakinami
Email Address:	lisa.kakinami@concordia.ca
Office Hours:	Mondays, 13:00-14:30.
Important:	Students should get the above information from their instructor and from the course Moodle site. The instructor is the person to contact should there be any questions about the course.
Class Schedule:	Wednesdays, 17:45-20:15.
Prerequisites:	STAT 360 or permission from the instructor.

Reading Week

Begins on Saturday, October 10 and ends on Friday, October 16, 2026. No classes that week.

Text

There is no required textbook for this course. However, a useful resource is: “R for Data Science” by Hadley Wickham, Mine Çetinkaya-Rundel, and Garrett Grolemund, with the open-source freely available [here](#) (licensed under [CC BY-NC-ND 3.0](#)).

Other References

- Slides, assignments, and additional files will be posted on the STAT480/MAST678 Moodle website: moodle.concordia.ca.

Final Grade

Higher of two options automatically selected:

Option 1:

- (a) Quizzes (20%; best 4 out of 5)
- (b) Exams (25% [midterm] + 35% [final])
- (c) Final project (20%)

Option 2:

- (a) Quizzes (20%; best 4 out of 5)
- (b) Exam (60% [final])
- (c) Final project (20%)

Final Exam

To be scheduled by the Exams Office.

PLEASE NOTE: Students are responsible for finding out the date and time of the final exam once the schedule is posted by the Examination Office. Any conflicts or problems with the scheduling of the final exam must be reported directly to the Examination Office, **not** to your instructor. It is the Department's policy and the Examination Office's policy **that students are to be available until the end of the final exam period. Conflicts due to travel plans will not be accommodated.**

Week	Topics to be Covered
1	R refresher
2	Data wrangling
3	Data cleaning
4	Descriptive statistics
5	Missing data
6	Midterm Visualizations
7	Linear regression
8	Model comparisons and sensitivity analysis
9	Logistic regression; categorical regression
10	Communicating findings
11	Selected additional topics
12	Project presentations

Student Services

You may wish to access the many services available to you as a Concordia student. An overview of these resources can be found here: <https://www.concordia.ca/students/services.html>

Academic Integrity and the Academic Code of Conduct

This course is governed by Concordia University's policies on Academic Integrity and the Academic Code of Conduct as set forth in the Undergraduate Calendar and the Graduate Calendar. Students are expected to familiarize themselves with these policies and conduct themselves accordingly. "Concordia University has several resources available to students to better understand and uphold academic integrity. Concordia's website on academic integrity can be found at the following address, which also includes links to each Faculty and the School of Graduate Studies: <https://www.concordia.ca/conduct/academic-integrity.html>" [Undergraduate Calendar, Sec 17.10.2]

Behaviour

All individuals participating in courses are expected to be professional and constructive throughout the course, including in their communications.

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Your [Concordia email](#) is the official channel for all university communications, as required by the university's [Policy on Concordia email accounts for students and employees](#). Please use your Concordia email for all communication related to this course and check it regularly so you don't miss important information. [Learn more about how to access your Concordia email](#).

As a student, you are expected to follow the email policy and to use your Concordia email in a respectful and responsible manner. The policy helps ensure that communication across the university is secure, reliable, and consistent.

Extraordinary circumstances

In the event of extraordinary circumstances and pursuant to the [Academic Regulations](#) the University may modify the delivery, content, structure, forum, location and/or evaluation scheme. In the event of such extraordinary circumstances, students will be informed of the change.