

STAT 480 (MAST 678/MAST 881), Sec. AA
Statistical Consulting & Data Analysis
Winter 2024

Instructor: Dr. L. Kakinami, Office: LB 927-7 (SGW), Phone: 848-2424, Ext. 3397
Email: lisa.kakinami@concordia.ca

Class Schedule: Wednesdays, 17:45-20:15.

Office Hours: TBA.

Text:

- i) Delwiche & Slaughter. The Little SAS Book: A Primer, 6th Edition (older edition is OK). (**recommended**)
or
- ii) Cody & Smith. Applied Statistics and the SAS Programming Language, 5th Edition. Pearson/Prentice Hall, 2006. (**recommended**)

Other References:

- i) SAS Online Doc Version 9.1.3 (included with SAS software package). Free download of the documentation is available from SAS website.

Final Grade: **Higher of two options:**

Option 1:	Option 2:
(a) Assignments (20%)	(a) Assignments (20%)
(b) Exams (25% [midterm] + 40% [final])	(b) Exam (65% [final])
(c) Final project (15%)	(c) Final project (15%)

If the grading scheme for this course includes graded assignments, a reasonable and representative subset of each assignment may be graded. Students will not be told in advance which subset of the assigned problems will be marked and should therefore attempt all assigned problems.

- Notes:
- 1) Late assignments will not be accepted.
 - 2) In order to obtain a good grade, the student MUST show that she/he has a THOROUGH understanding of the subject.

Week	Topics to be Covered
1	Introduction to SAS; in-stream data
2	External files: reading and writing raw and system files; describing data
3	Recoding data
4	Data subsetting, concatenating, merging, and updating
5	Transposing; formats
6	Arrays
7	Midterm Macros
8	Hypothesis testing
9	Categorical data
10	Correlation and linear regression
11	Logistic regression
12	Project presentations

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.

Concordia students are subject to the [Code of Rights and Responsibilities](#) which applies both when students are physically and virtually engaged in any University activity, including classes, seminars, meetings, etc. Students engaged in University activities must respect this Code when engaging with any members of the Concordia community, including faculty, staff, and students, whether such interactions are verbal or in writing, face to face or online/virtual. Failing to comply with the Code may result in charges and sanctions, as outlined in the Code.

Intellectual Property

Content belonging to instructors shared in online courses, including, but not limited to, online lectures, course notes, and video recordings of classes remain the intellectual property of the faculty member. It may not be distributed, published or broadcast, in whole or in part, without the express permission of the faculty member. Students are also forbidden to use their own means of recording any elements of an online class or lecture without express permission of the instructor. Any unauthorized sharing of course content may constitute a breach of the [Academic Code of Conduct](#) and/or the [Code of Rights and Responsibilities](#). As specified in the [Policy on Intellectual Property](#), the University does not claim any ownership of or interest in any student IP. All university members retain copyright over their work.

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.