**Geog 714**

***Applied data analysis***

Fall 2024

Instructor: N Yiannakoulias

Room and time: BSB 324 Monday *9:30am to 11:30am*

The course covers conceptual and technical matters important to students who plan on analyzing data as part of their graduate training. On average, expect to spend about 5-10 hours a week on the course (including class time).

Classes will be held in BSB 324. You should have your own laptop with RStudio and R (version 3.2.2 or later) installed. R and RStudio are free downloads for most operating systems.

**1. Course assessment**

* 10 Guided Assignments (4% each) = 40%
* 10 in class quizzes (3% each) = 30%。🡪 5-10 min
* Final assignment (30%)

The **guided assignments** are issued every week. These assignments include fairly detailed instructions about how to use R to analyze data. You should work independently on these assignments as much as possible. We will discuss features of the assignments as necessary.

Grading of the guided assignments will be based on their accuracy (80%) and style (20%). Code written in good style has 1) comments and whitespace 2) is thematically coherent (uses the same coding conventions throughout) 3) minimizes the use of packages and 4) is readable.

In class **quizzes** will evaluate what you know without the assistance of notes or the Internet. They will be relatively short, and completed in class.

The **final assignment** will be discussed later in the term.

**3. Policy on late/missed assignments**

* **You can't use MSAF*: all late assignments receive an automatic '0' grade. Please don't have your supervisor email me if you hand in anything late.***

**4. Policy regarding academic dishonesty**

Academic dishonesty consists of misrepresentation by deception or by other fraudulent means and can result in serious consequences, e.g., the grade of zero on an assignment, loss of credit with a notation on the transcript (where notation reads “Grade of F assigned for academic dishonesty”), and/or suspension or expulsion from the University.

**It is your responsibility to understand what constitutes academic dishonesty.** For information on the various kinds of academic dishonesty, please refer to the Academic Integrity Policy, specifically Appendix 3, located at:<http://www.mcmaster.ca/univsec/policy/AcademicIntegrity.pdf>

The following illustrates only three forms of academic dishonesty:

1. Plagiarism, e.g., the submission of work that is not one’s own or for which other credit has been obtained
2. Improper collaboration in group work.
3. Copying or using unauthorized aids in tests and examinations.

**5. Changes to the course outline**

The instructor and university reserve the right to modify elements of the course during the term. The university may change the dates and deadlines for any or all courses in extreme circumstances. If either type of modification becomes necessary, reasonable notice and communication with the students will be given with explanation and the opportunity to comment on changes. It is the responsibility of the student to check their McMaster email and course websites weekly during the term and to note any changes.