

Advanced Statistical Inference (PSYC 301)

Instructor: Dr. Leandre R. Fabrigar

Office: Craine 319

E-mail: fabrigar@queensu.ca

Phone: 613-533-6492

Class Times: Monday (10:00 AM - 11:15 AM), Wednesday (4:00 PM - 5:15 PM)

Class Location: Convocation Hall

Office Hour: Monday (12:00 PM - 1:15 PM) or by Appointment

Required Text:

Field, A. (2018). *Discovering Statistics Using IBM SPSS Statistics* (5th Edition). Thousand Oaks, CA: Sage Publications.

Required Statistical Software (SPSS):

Statistical analyses in the course will be conducted using SPSS. SPSS is available to all Queen's students by logging into the Queen's Software Center. On this site, students can access SPSS 26/27 and the License Key. Students can go directly to the SPSS's info/download website with this direct link (NetID login required): <https://queensu.ca.sharepoint.com/sites/software-centre/SitePages/SPSS.aspx>

TURNITIN Statement:

This course makes use of Turnitin, a third-party application that helps maintain standards of excellence in academic integrity. Normally, students will be required to submit their course assignments to through onQ to Turnitin. In doing so, students' work will be included as source documents in the Turnitin reference database, where they will be used solps m wor

Course Objectives and Format:

This course is designed to provide students with an introduction to basic inferential sti

Weekly Instructor Office Hours:

The instructor will hold a weekly office hour session each week. The instructor will be in his office during this time, but will also have Teams open for virtual discussion. During that time, the instructor will answer any questions you might have regarding lecture material and the course more generally.

Teaching Assistants, Lab Sections, and Lab Office Hours:

James Hillman (Head TA)

Office Hour (Friday: 12:00 PM - 1:00 PM)

Email: jh250@queensu.ca

Valentina Mihajlovic

Office Hour (Wednesday: 10:00 AM - 11:00 AM)

Email: vm43@queensu.ca

Lab Section A (002) (Friday: 2:30 PM - 5:30 PM)

Lab Section F (007) (Tuesday: 11:30 AM - 2:30 PM)

Carina Pham

Office Hour (Monday: 2:30 PM - 3:30 PM)

Email: cp136@queensu.ca

Lab Section D (005) (Monday: 11:30 AM - 2:30 PM)

Lab Section E (006) (Tuesday: 2:30 PM - 5:30 PM)

Benjamin Streach

Office Hour (Tuesday: 6:00 PM - 7:00 PM)

Email: brs3@queensu.ca

Lab Section B (003) (Friday: 11:30 AM - 2:30 PM)

Kate Zucconi

Office Hour (Thursday: 9:00 AM - 10:00 AM)

Email: ketz@queensu.ca

Lab Section C (004) (Friday: 8:30 AM - 11:30 AM)

Lab Section G (008) (Tuesday: 8:30 AM - 11:30 AM)

Grading: Midterm Exam (34%)
Lab Assignment 1 (10%)
Lab Assignment 2 (10%)
Lab Assignment 3 (10%)
Final Exam (36%)

All components of this course will receive numerical percentage marks. The final grade you receive for the course will be derived by converting your numerical course average to a letter grade according to Queens Official Grade Conversion Scale:

Queen's Official Grade Conversion Scale

Grade	Numerical Course Average (Range)
A+	90-100
A	85-89
A-	80-84
B+	77-79
B	73-76
B-	70-72
C+	67-69
C	63-66
C-	60-62
D+	57-59
D	53-56
D-	50-52
F	49 and below

Statement on Academic Integrity:

Queen's students, faculty, administrators and staff all have responsibilities for upholding the [fundamental values of academic integrity](#); honesty, trust, fairness, respect, responsibility and courage. These values are central to the building, nurturing, and sustaining of an academic community in which all members of the community will thrive. Adherence to the values expressed through academic integrity forms a foundation for the "freedom of inquiry and exchange of ideas" essential to the intellectual life of the University (see the [Senate Report on Principles and Priorities](#)).

Students are responsible for familiarizing themselves with the regulations concerning academic integrity and for ensuring that their assignments and their behaviour conform to the principles of academic integrity. Information on academic integrity is available in the Arts and Science Calendar (see [Academic Regulation 1](#)), on the [Arts and Science website](#), and from the instructor of this course. Departures from academic integrity include plagiarism, use of unauthorized materials, facilitation, forgery and falsification, and are antithetical to the development of an academic community at Queen's. Given the seriousness of these matters, actions which contravene the regulation on academic integrity carry sanctions that can range from a warning or the loss of grades on an assignment to the failure of a course to a requirement to withdraw from the university.

Accommodations Statement:

Queen's University is committed to achieving full accessibility for people with disabilities. Part of this commitment includes arranging academic accommodations for students with disabilities to ensure they have an equitable opportunity to participate in all of their academic activities. The Senate Policy for Accommodations for Students with Disabilities was approved at Senate in November 2016 (see <https://www.queensu.ca/secretariat/sites/webpublish.queensu.ca.uslclwww/files/files/policies/senateandtrustees/ACADACCOMMPOLICY2016.pdf>). If you are a student with a disability and think you may need academic accommodations, you are strongly encouraged to contact the Queen's Student Accessibility Services (QSAS) and register as early as possible. For more information, including important deadlines, please visit the QSAS website at: <http://www.queensu.ca/studentwellness/accessibility-services/>

Academic Considerations for Students in Extenuating Circumstances:

Queen's University is committed to providing academic consideration to students experiencing extenuating circumstances that are beyond their control and are interfering with their ability to complete academic requirements related to a course for a short period of time. The Senate Policy on Academic Consideration for Students in Extenuating Circumstances is available at <http://www.queensu.ca/secretariat/sites/webpublish.queensu.ca.uslclwww/files/files/policies/senateandtrustees/Academic%20Considerations%20for%20Extenuating%20Circumstances%20Policy%20Final.pdf>

Each Faculty has developed a protocol to provide a consistent and equitable approach in dealing with requests for academic consideration for students facing extenuating circumstances. Arts and Science undergraduate students can find the Faculty of Arts and Science protocol and the portal where a request can be submitted at: <http://www.queensu.ca/artsci/accommodations> Students in other Faculties and Schools who are enrolled in this course should refer to the protocol for their home Faculty.

If you need to request academic consideration for this course, you will be required to provide the name and email address of the instructor/coordinator. Please use the following:

Instructor/Coordinator Name: Leandre R. Fabrigar

Instructor/Coordinator email address: fabrigar@queensu.ca

Timing of Final Examinations:

The exam dates for each Term are listed on the Faculty of Arts and Science webpage under “[Important Dates](#)”. Student exam schedules for the Fall Term are posted via SOLUS immediately prior to the Thanksgiving holiday; for the Winter Term they are posted on the Friday before Reading Week, and for the Summer Term they are individually noted on the Arts and Science Online syllabi. **Students should delay finalizing any travel plans until after the examination schedule has been posted. Exams will not be moved or deferred to accommodate employment, travel/holiday plans or flight reservations.**

Copyright of Course Materials

Course materials created by the course instructor, including all slides, presentations, handouts, tests, exams, and other similar course materials, are the intellectual property of the instructor. It is a departure from academic integrity to distribute, publicly post, sell or otherwise disseminate an instructor's course materials or to provide an instructor's course materials to anyone else for distribution, posting, sale or other means of dissemination, without the instructor's *express consent*. A student who engages in such conduct may be subject to penalty for a departure from academic integrity and may also face adverse legal consequences for infringement of intellectual property rights.

Course Outline

Topic

Readings

Week 6: More Complex Hypotheses: Mypotheses: Mypotheses:

