



Quant Methods in Psych

Instructor: J. Toby Mordkoff
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Office: E306A Seashore Hall
Office Hours: Tues & Thurs 9:30-11:00

Class Meetings: Mon & Wed 9:30-11:15
E104 SSH

Prerequisites: there are no prerequisites, but the course is limited to first-year graduate students in psychology and neuroscience

DEO: Mark Blumberg, W312 SSH

Academic Course Home: College of Liberal Arts and Sciences

Website: <http://www2.psychology.uiowa.edu/faculty/mordkoff/gradstats/>

Course Goals and Objectives

This course will provide an overview of traditional statistical methods based on the General Linear Model, including *t*-tests, multiple regression, and ANOVA, focusing on the analysis of psychological data and how to conduct these analyses using SPSS.

Requirements and Grading

Please do the assigned reading *before* class. Readings can be download and/or printed from the website. They are in Adobe pdf format. Comments on the readings are very much welcome. Practica and other exercises, when given, will be corrected, but not graded (and don't need to be turned in). Your grade will be based on four exams, weighted equally. This course employs criterion grading and uses +/- grades. A perfect (or near-perfect) set of analyses for an exam will receive an A. If the analyses contain only a few minor errors, the grade will be A-. If one or two analyses are performed incorrectly, the grade will be B (with +/-). If more than two analyses are performed incorrectly, the grade will be C. All exams will be posted (on the website) on a Wednesday afternoon (before 4:00 pm) and are due on Saturday (at noon); they will be graded by 10:00 am Sunday. This is relevant because you may retake any/all exams, with the second grade replacing the first, shifted down by one-third of a letter. This should be done within one week of the original exam, preferably immediately (i.e., before Monday's class).

Exams

All exams are "open book & open notes." You may also use a computer, abacus, etc. The one thing that you can't do is communicate about the material with anyone other than the instructor while taking an exam. Conflicts with exam dates should be resolved at least one week before the exam, preferably sooner. There is no final exam.

Exam 1 – one-predictor analyses	Wed 9/18 - Sat 9/21
Exam 2 – Multiple Regression	Wed 10/9 - Sat 10/12
Exam 3a – one-way ANOVA	Wed 11/6 - Sat 11/9
Exam 3b – two-way ANOVA	Wed 12/11 - Sat 12/14

Collaboration

Cooperative learning is highly encouraged: study in groups, ask lots of questions, and talk about the course with friends, family, and household pets. However, as mentioned above, "talking" (by any means) with anyone except the instructor about the course while an exam is pending is prohibited. You should also try to avoid becoming reliant upon study-partners.

Student Rights and Responsibilities

Classroom Etiquette:

The topics discussed in this course may be sensitive and at times, personal. Disagreements may occur within the classroom. It is important that the environment of this course remain open, comfortable, and respectful (of others' opinions and beliefs – this includes Bayesians).

While I understand unforeseen circumstances may occur, I expect all students to make a concerted effort to arrive on time so as not to interrupt the learning of your peers. Chronic lateness will be reflected in students' participation grades. In addition, personal electronic devices are acceptable for coursework use, but the device must be on silent (and/or set to vibrate for cell phones). If you must answer an emergency phone call, please exit the classroom setting.

Missed Exams and Late Course Work:

University policy allows students to make up examinations missed due to "illness, mandatory religious obligations, or other unavoidable circumstances." You must consult with me and obtain permission to take a make-up exam. All other course work submitted after designated submission deadlines will not be accepted. It is always suggested that you budget your time and not wait until the last minute to complete course work given that you must make submissions, complete quizzes, etc. online. Non-completion due to electronic/computing issues is not excused.

CLAS/Department of Psychological & Brain Sciences Teaching Policies and Resources

Department Office: W313 Seashore Hall

Department Phone: 319-335-2406

Department Director (DEO): Mark Blumberg

DEO Office: W312 SSH

DEO e-mail: mark-blumberg@uiowa.edu

DEO Phone: 319-335-2424

Administrative Home

The College of Liberal Arts and Sciences is the administrative home of this course and governs matters such as the add/drop deadlines, the second-grade-only option, and other related issues. Different colleges may have different policies. Questions may be addressed to 120 Schaeffer Hall, or see the CLAS Academic Policies Handbook at <http://clas.uiowa.edu/students/handbook>.

Electronic Communication

University policy specifies that students are responsible for all official correspondences sent to their University of Iowa e-mail address (@uiowa.edu). Faculty and students should use this account for correspondences ([Operations Manual, III.15.2](#), k.11).

Accommodations for Disabilities

The University of Iowa is committed to providing an educational experience that is accessible to all students. A student may request academic accommodations for a disability (which includes but is not limited to mental health, attention, learning, vision, and physical or health-related conditions). A student seeking academic accommodations should first register with Student Disability Services and then meet with the course instructor privately in the instructor's office to make particular arrangements. Reasonable accommodations are established through an interactive process between the student, instructor, and SDS. See <http://sds.studentlife.uiowa.edu/> for information.

Nondiscrimination in the Classroom

The University of Iowa is committed to making the classroom a respectful and inclusive space for all people irrespective of their gender, sexual, racial, religious, or other identities. Toward this goal, students are invited to optionally share their preferred names and pronouns with their instructors and classmates. The University of Iowa prohibits discrimination and harassment against individuals on the basis of race, class, gender, sexual orientation, national origin, and other identity categories set forth in the University's Human Rights policy. For more information, contact the Office of Equal Opportunity and Diversity, diversity@uiowa.edu, or visit diversity.uiowa.edu.

Academic Honesty

All CLAS students or students taking classes offered by CLAS have, in essence, agreed to the College's [Code of Academic Honesty](#): "I pledge to do my own academic work and to excel to the best of my abilities, upholding the [IOWA Challenge](#). I promise not to lie about my academic work, to cheat, or to steal the words or ideas of others; nor will I help fellow students to violate the Code of Academic Honesty." Any student committing academic misconduct is reported to the College and placed on disciplinary probation or may be suspended or expelled ([CLAS Academic Policies Handbook](#)).

CLAS Final Examination Policies

The final examination schedule for each class is announced by the Registrar generally by the fifth week of classes. Final exams are offered only during the official final examination period. **No exams of any kind are allowed during the last week of classes.** All students should plan on being at the UI through the final examination period. Once the Registrar has announced the date, time, and location of each final exam, the complete schedule will be published on the Registrar's web site and will be shared with instructors and students. It is the student's responsibility to know the date, time, and place of a final exam.

Making a Suggestion or a Complaint

Students with a suggestion or complaint should first visit with the instructor (and the course supervisor), and then with the departmental DEO. Complaints must be made within six months of the incident (CLAS [Academic Policies Handbook](#)).

Understanding Sexual Harassment

Sexual harassment subverts the mission of the University and threatens the well-being of students, faculty, and staff. All members of the UI community have a responsibility to uphold this mission and to contribute to a safe environment that enhances learning. Incidents of sexual harassment should be reported immediately. See the UI [Office of the Sexual Misconduct Response Coordinator](#) for assistance, definitions, and the full University policy.

Reacting Safely to Severe Weather

In severe weather, class members should seek appropriate shelter immediately, leaving the classroom if necessary. The class will continue if possible when the event is over. For more information on Hawk Alert and the siren warning system, visit the [Department of Public Safety website](#).