

PSYC 7302/8302: Advanced Statistics I

T/Th, 5:30-6:55, Location: 219

Instructor: Rick (Dale)

TA: David Earnest

Office: Psychology 442

Office hours: W, 2:00-4:00 (or by appt.)

Email: radale@memphis.edu

Phone: 678-4938

Website: <http://cognition.org/rick/7302>

Course description Advanced Statistics I introduces you to intermediate and advanced topics in inferential statistics, with an emphasis on multiple regression. The course will also provide extensive hands-on experience with data analysis in class. You will use SPSS (with a smattering of other software) to manage and manipulate data, and to conduct statistical analyses. You will gain a fundamental understanding of statistics from (an adequate modicum of) theory to the interpretation of software output.

Textbooks

Keith, T.Z. (2006). *Multiple regression and beyond*. Boston, MA: Pearson Ed.

Pallant, J. (2007). *SPSS survival manual*. Berkshire, UK: Open Univ. Press.

Your email address Please supply me with an active email address. This will be the primary form of communication for the class. I will send all course news and updates through email.

Course website Students are responsible for using the course website. The website will serve as the mechanism for distributing class content. I expect that you will visit the course website weekly.

Evaluation There will be no tests in this class. Your final grade will be determined by two things: homework/class activities, and projects. Weekly homework and activities (30%) will involve data manipulation, analysis, and interpretation conducted primarily in class (though you will likely use time outside of class to complete them). In addition, you will develop two papers based on your own data and analysis (30% for the first, 40% for the second).

Schedule of topics and readings: Consult the website for the official class schedule.

Important notices

Plagiarism or cheating may result in your case being referred to the Academic Discipline Committee that addresses academic misconduct. This decision is up to the discretion of the instructor. Students are expected at all times to behave in accordance with the American Psychological Association Code of Ethics. Students should be familiar with the academic regulations outlined in the Student Bulletin of the University of Memphis and to observe policies regarding student conduct published in the Student Handbook.

Diversity means the fair representation of all groups of individuals, the inclusion of minority perspectives and voices, and the appreciation of different cultural and socioeconomic group practices. We aspire to foster and maintain an atmosphere that is free from discrimination, harassment, exploitation, or intimidation. Academic courses will aim at providing opportunities for students to discuss issues of diversity including, but not limited to, ethnicity, gender, disability and sexual orientation as they can be related to course content. The University of Memphis has adopted policies prohibiting discrimination based upon race, sex, disability, or sexual orientation. In addition, the American Psychological Association has explicit policies regarding the issues of and writing about race, gender, class, sexual orientation, disability, ethnicity, and religion. You may find information on these standards in the APA Publication Manual or on the APA webpage: <http://www.apa.org/pi/oema/>.

If you have a disability that interferes with completion of this course, please let the instructor know privately at the beginning of the course, and s/he will seek consultation on how best to adapt course materials or instruction. Students with disabilities are encouraged to contact Student Disability Services for the university at 678-2880.