

Sample Surveys
Statistics 4222 / 5225
Spring 2016

Lecture: Monday, Wednesday, 9:30 – 10:45, HCB 207

Instructor: Eric Chicken, OSB 210 A

Teaching Assistant: TBA

Office Hours: TBA

Text: *Sampling: Design and Analysis*, Sharon Lohr, 2nd edition, 2010

Prerequisites: A course in statistics at or above the 2000 level

Goal of Course: After successful completion of the course, students will be able to create sampling schemes for surveys; analyze survey data using ratio and regression methods; understand strata and weighted samples; analyze cluster sample data and two-stage samples; analyze and estimate variability in complex surveys; apply categorical data analysis and regression to complex surveys.

Course topics: The material covered includes, but is not limited to,

- Simple random sampling
- Stratified sampling
- Cluster sampling
- Systematic sampling
- Ratio and regression estimation
- Regression
- Categorical data analysis
- Complex surveys

Exams: There will be two midterm exams and a final exam. You will receive a score of 0 on an exam you miss without a valid excuse.

Assignments: There will be regular assignments. You may work with other students on the assignments. They will not be collected. These assignments will reinforce lecture and prepare you for the exams.

Course Website: All information for this class will be posted on the course website in FSU's blackboard system. Go to this site for homework assignments, class announcements, and exam information,.

Grades: Your course grade is based on the three exams. These three exams are equally weighted. The exam grades are maintained by the TA on Blackboard. All questions about scores should be directed to the TA. There will be no extra work available to enhance your grade, so put in the appropriate effort on the assigned homework.

University Attendance Policy:

Excused absences include documented illness, deaths in the family and other documented crises, call to active military duty or jury duty, religious holy days, and official University activities. These absences will be accommodated in a way that does not arbitrarily penalize students who have a valid excuse. Consideration will also be given to students whose dependent children experience serious illness.

Academic Honor Policy:

The Florida State University Academic Honor Policy outlines the University's expectations for the integrity of students' academic work, the procedures for resolving alleged violations of those expectations, and the rights and responsibilities of students and faculty members throughout the process. Students are responsible for reading the Academic Honor Policy and for living up to their pledge to ". . . be honest and truthful and . . . [to] strive for personal and institutional integrity at Florida State University." (Florida State University Academic Honor Policy, found at <http://fda.fsu.edu/Academics/Academic-Honor-Policy>.)

Americans With Disabilities Act:

Students with disabilities needing academic accommodation should: (1) register with and provide documentation to the Student Disability Resource Center; and (2) bring a letter to the instructor indicating the need for accommodation and what type. This should be done during the first week of class. This syllabus and other class materials are available in alternative format upon request. For more information about services available to FSU students with disabilities, contact the:

Student Disability Resource Center
874 Traditions Way
108 Student Services Building
Florida State University
Tallahassee, FL 32306-4167
(850) 644-9566 (voice)
(850) 644-8504 (TDD)
sdr@admin.fsu.edu
<http://www.disabilitycenter.fsu.edu/>

Free Tutoring from FSU:

On-campus tutoring and writing assistance is available for many courses at Florida State University. For more information, visit the Academic Center for Excellence (ACE) Tutoring Services' comprehensive list of on-campus tutoring options at <http://ace.fsu.edu/tutoring> or contact tutor@fsu.edu. High-quality tutoring is available by appointment and on a walk-in basis. These services are offered by tutors trained to encourage the highest level of individual academic success while upholding personal academic integrity.