

STA 6126 – SECTION 20348
STATISTICAL METHODS IN SOCIAL RESEARCH I
FALL 2018
MWF 2 @ TURLINGTON 2319

INSTRUCTOR: Dr. Larry Winner

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OFFICE HOURS: TBA (will be posted on class website)

TA: TBA (Will be posted on class website) Office Hours: TBA

TEXT: *Statistical Methods for the Social Sciences, 5th Ed*, Alan Agresti, 2018, Pearson (4th Ed. Is fine)

Computing:

You will need a computer for homework assignments. Examples will make use of R, but you may use any program you choose. Datasets will be posted on web in column formatted ASCII format or EXCEL and can be easily imported into any program.

Tentative Schedule:

Lectures	Topics	Sections
1-2	Introduction, Description and Inference, Statistical Computing	1.1-1.3
3-5	Sampling and Measurement, Descriptive and Graphical Methods	2.1-2.4,3.1-3.6
6-8	Probability Distributions and Sampling Distributions	4.1-4.6

9-12	Point Estimation and Interval Estimation for a Mean and Proportion	5.1-5.5
15-18	Significance Tests for Means and Proportions	6.1-6.5, 6.7
19-24	Comparing 2 Groups (Means and Proportions)	7.1-7.6
27-32	Categorical Data Analysis	8.1-8.6
33-36	Simple Linear Regression and Correlation	9.1-9.6
39-40	Introduction to Multivariable Relationships	9.1-9.6
41-43	Introduction to Multiple Regression	11.1-11.5

Grading:

This course will consist of a series of data analysis projects and 3 exams. The projects will count 25% of final grade, and each exam will count 25%.

- **Exam 1: Friday, September 21**
- **Exam 2: Monday, October 22**
- **Exam 3: Wednesday, December 5**

Projects and datasets will be posted on class website.

R code will be provided for all methods covered in the course on class website.

R can be downloaded for free from the website:

<http://cran.r-project.org/bin/windows/base/>

Notes:

- Homework problems will be assigned from textbook, but not graded.
- Homework projects will be posted on class website and will be taken up and graded. Projects must be handed in (hard copy), e-mail will not be accepted.
- Exams are 1-hour. You may bring a copy of the t, χ^2, F table with hand written notes (8.5x11")
- Homework will count 25% of your course grade, each exam will be 25%
- Grades are not negotiable.
- You may request problems to be worked out in upcoming class via e-mail. I will not give detailed solutions via e-mail.

Course Grade Cut-offs:

A	A-	B+	B	B-	C+	C	C-	D	E
92	87	82	70	60	50				

Attendance/Exam/Assignment Policies: While attendance is not taken, students are expected to attend lectures and participate in class. Make-up exams will only be considered with documented medical event or conference attendance (graduate students). Early exams will be given under no circumstances. Assignments are to be handed in during class on the date the assignment is due in paper format. Electronic submission of assignments will not be accepted. Turn off cell phones during classes.

Academic Accommodations: If you have a documented disability and wish to discuss academic accommodations with me, please contact me as soon as possible.

University Grading Points:

A	A-	B+	B	B-	C+	C	C-	D	E
4	3.67	3.33	3	2.67	2.33	2	1.67	1	0

Online Course Evaluations: The University has an online course evaluation system. Late in each semester (after final withdrawal date), students can go to the GATORRATER portal and evaluate courses. The website is located at: <https://evaluations.ufl.edu/evals/Default.aspx>.

University Policies:

Academic Dishonesty: All members of the University Community share the responsibility to challenge and make known acts of apparent academic dishonesty. Acts of academic dishonesty will not be tolerated and will be referred to the Student Honor Council.

Incomplete: An incomplete grade may be assigned at the discretion of the instructor as an interim grade for a course in which the student has completed a major portion of the course with a passing grade, been unable to complete course requirements before the end of the term because of extenuating circumstances, and obtained agreement from the instructor and arranged for resolution of the incomplete grade in the next term. Instructors are not required to assign incomplete grades. For complete details please visit:

[CLAS incomplete grade policies and forms.](#)

Campus Resources:

Counseling and Wellness Center: <http://www.counseling.ufl.edu/cwc/>

Academic Resources: <http://www.ufl.edu/academics/resources/>

Disability Resource Center: <https://www.dso.ufl.edu/drc/>

Student Health Care Center: <http://shcc.ufl.edu/>