

Quantitative Data Analysis for Planners

Syllabus

This is a text-only version of the syllabus.

Note: Online documents are accessible only through the online course. All media (i.e. videos, Flash presentations, PowerPoints, and their alternate versions) is accessible only through the online course.

Faculty Contact Information

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Virtual Office Hours

Course Description

This course is intended to provide students in the Urban and Regional Planning program with fundamental data analysis techniques and statistics skills required by the UF Urban and Regional Planning program for use in thesis and dissertation research and by the planning profession. The course provides analysis skills that allow planning students to achieve in the area of statistical analysis as required for the hypothesis testing general planning and within the areas of specialization offered by the department. In addition, effort has been made to include examples and assignments that provide opportunity to utilize statistical analysis as a problem solving/analysis methodology for environmental decision making, environmental justice, and in support of species and habitat biodiversity and sustainability. Finally the course supports the department's mission as a core course in the department's curriculum.

Course Objectives

- Use basic probability in support of planning problem analysis.
- Test hypotheses using parametric and non-parametric analysis.
- Analyze statistical data.
- Use statistical skills required to complete thesis or dissertation research.
- Apply planning statistical analysis in support of planning problem analysis.
- Develop critical thinking skills necessary to compete in the planning profession.

Required Materials

- SPSS Statistics Student Version 17.0 or greater. Students can purchase the Statistics Standard GradPack 21 or 22 (6 month rental) from [OnTheHub](#).
- Field, Andy. (2009). *Discovering Statistics using SPSS; Third edition*. Thousand Oaks, CA: SAGE Publications. (ISBN 978-1847879073)

Course Outline

Module	Topics Covered
Module 1	Course Introduction, Data Types, and Descriptive Statistics
Module 2	Descriptive Statistics
Module 3	Hypothesis Testing (One and Two-Sample Case)
Module 4	Multiple Sample Cases
Module 5	Correlations
Module 6	Simple Linear Regression
Module 7	Multiple Variable and Non-Linear Regression
Module 8	Population Projections

Assignments

Assignments	Value
Homeworks <ul style="list-style-type: none"> • Module 2 • Module 3 • Module 4 • Module 5 • Module 6 • Module 7 • Module 8 	7 X 10 points
Essays <ul style="list-style-type: none"> • Module 1 • Module 2 • Module 3 • Module 5 • Module 6 • Module 7 	6 X 10 points
Midterm	400 points
Final Exam	400 points
Total:	930 points

Grading Scheme

Letter Grade	Percentage
A	93-100%
A-	90-92.99%
B+	88-89.99%
B	83-87.99%
B-	80-82.99%
C+	78-79.99%
C	73-77.99%
C-	70-72.99%
D+	68-69.99%
D	58-67.99%
D-	55-57.99%
E	Below 55.99%

Make-up Work and Exams

No late work will be accepted. Computer problems that arise during submission will not be accepted as an excuse for late work. All work must be completed and submitted by the designated time in Sakai or you will not receive credit for the assignment.

In the event that you have technical difficulties with e-Learning, please contact the UF Help Desk. If your technical difficulties will cause you to miss a due date, you MUST report the problem to Help Desk. Include the ticket number and an explanation of the issue based on consult with Help Desk in an e-mail to the instructor to explain the late assignment/quiz/test. The course faculty reserves the right to accept or decline tickets from the UF Help Desk based on individual circumstances.

Course Communication

All communication with course faculty will take place within Sakai. (Select the "Instructor Role" from the address book.) All e-mails will be sent and received within Sakai. You should NOT be e-mailing the course instructors outside of the system. Any e-mails received outside of Sakai may not receive a response.

*To prevent an e-mail from being sent outside of the Sakai system DO NOT check the box within the option "Send Cc: Send a copy of this message to recipients' e-mail address(es)."

Netiquette

Course communication should be civilized and respectful to everyone. The means of communication provided to you through e-Learning (e-mail, discussion posts, course questions, and chats) are at your full disposal to use in a respectful manner. Abuse of this system and its tools through disruptive conduct, harassment, or overall disruption of course activity will not be tolerated. Conduct that is deemed to be in violation with University rules and regulations or the Code of Student Conduct will result in a report to the Dean of Students.

Student Support Services

As a student in a distance learning course or program, you have access to the same student support services that on campus students have. For course content questions contact your instructor.

For any technical issues you encounter with your course please contact the UF computing Help Desk at 342-392-HELP (4357). Visit [Information Technology - UF Computing Help Desk](#) for more information.

For a list of additional student support services links and information please visit [Student Services - Distance Learning](#).

University Policies

University policies on such matters as add/drop, incomplete, academic probation, termination of enrollment, reinstatement, and other expectations or procedures can be found in the [graduate student handbook](#) and at the [Dean of Students website](#).

Student Honor Code

In adopting this [Honor Code](#), the students of the University of Florida recognize that academic honesty and integrity are fundamental values of the University community. Students who enroll at the University commit to holding themselves and their peers to the high standard of honor required by the Honor Code. Any individual who becomes aware of a violation of the Honor Code is bound by honor to take corrective action. Student and faculty support are crucial to the success of the Honor Code. The quality of a University of Florida education is dependent upon the community acceptance and enforcement of the Honor Code.

The Honor Pledge

We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honesty and integrity by abiding by the Honor Code.

On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment."

Special Accommodations

Students requesting disability-related academic accommodations must first register with the [Disability Resource Center](#).

The Disability Resource Center will provide documentation to the student who must then provide this documentation to the instructor when requesting accommodation.

Complaints

Should you have any complaints with your experience in this course please visit [Student Complaints](#) to submit a complaint.