

ANT4930 EXPLORING ANTHROPOLOGICAL DATA

Syllabus

Contact Information

Instructor

David Daegling

Phone Number

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Email

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Office Hours

M 9:30 -- 10:30 AM; W 1:00 -- 3:00 PM

Credit Hours

3

For questions about course content, your grade, or other personal issues, use the Canvas mail tool. Expect a response within 24 hours, or Monday if sent after 5 pm on a Friday.

Course Information

This course provides a practical, problem-based approach to the interpretation of quantitative data in the various subfields of anthropology. We will utilize resampling concepts and methods to develop an understanding of basic statistical principles and analytical techniques for exploring myriad forms of data. An integral part of this course will be to learn to use the open-source platform R for collating and analyzing data, developing resampling procedures and visualizing data. We will include actual data collected by and for anthropologists to develop these skills.

Course Description

Given the scope of anthropological inquiry, there is really no “typical” anthropological dataset. Because of the nature of the data or the questions being asked of it, conventional or “cookbook” analytical approaches are often not ideal for interrogating anthropological data. This course uses a class of techniques known as resampling methods to explore and interpret both large and small

datasets. Resampling methods are both intuitive and highly versatile and can be applied creatively to address a variety of questions in anthropological research.

Course Objectives

By the end of this course, you will be able to:

1. Use the statistical software platform R to retrieve, save, transform, analyze and summarize quantitative data.
2. Design customized statistical tests for research hypotheses.
3. Implement resampling procedures using the R platform.
4. Communicate findings via graphs, statistical results and associated data.

Course Requirements

Required Textbook

There are 2 required books, both of which can be downloaded as e-books from the UF Libraries. They will also be provided for download on course overview pages in the "Readings" section:

- *A beginner's guide to R*, by Alain F. Zuur, Elena N. Ieno, Erik H.W.G. Meesters (2009) Springer.
- *Introductory statistics with R*, 2nd edition, by Peter Daalgard (2008) Springer.

Prerequisites

10 credits in anthropology or instructor permission.

Minimum Technology Requirements

A personal computer on which you have administrative privileges to install the statistical software program, R, and certain packages.

- There are step-by-step instructional videos on how to download R on Mac and Windows operating systems in [Module 1](#).
- R and all associated packages are free and may be installed and reinstalled as needed.

The University of Florida expects students to enter an online program to acquire computer hardware and software appropriate to their degree program. Most computers are capable of meeting the following general requirements. A student's computer configuration should include:

- Webcam
- Microphone
- Broadband connection to the Internet and related equipment (Cable/DSL modem)
- Microsoft Office Suite installed (provided by the university)

Minimum Technical Skills

To complete your tasks in this course, you will need a basic understanding of operating a computer, including how to use word processing software. You will need competence in mathematics including algebra and geometry.

Materials/Supply Fees

There is no supply fee for this course.

Zoom

Zoom is an easy to use video conferencing service available to all UF students, faculty, and staff that allows for meetings of up to 100 participants.

You can find resources and help using Zoom at ufl.zoom.us.

Course Policies

As this is an online class, you are responsible for observing all posted due dates and are encouraged to be self-directed and take responsibility for your learning.

- All late assignments will receive half credit unless prior arrangement with the instructor has been made or documentation of a medical or family emergency is provided.
- No credit will be given for any work submitted after the last day of classes per the Registrar's critical dates and deadlines.
- Data set analysis and fix the script assignments that are submitted on time but have coding/programming errors may be resubmitted at the instructor's discretion for additional credit.
- Technical issues must be documented with the UF Help Desk and submitted to the instructor within 24 hours for any make-ups. Please see the "Technical Difficulties" section in the syllabus for more information.

Grading Policy

I will make every effort to have each assignment graded and posted within one week of the due date.

Course Grading Policy

Grading criteria for the course include timely completion of:

Graded Assignments	Number of Assignments	Points Per Assignment	Total Points
COURSE TOTAL			462

Graded Assignments	Number of Assignments	Points Per Assignment	Total Points
Concept Quizzes	9	10	90
Data Set Analyses	31	10	310
Fix the Scripts	4	3	12
Final Exam	1	50	50

Grading Scale

Grades are determined as follows based on the percentage of points earned out of 462 possible points as follows:

Grade	Percentage
A	100%-92%
A-	91.9%-88%
B+	87.9%-84%
B	83.9%-80%
B-	79.9%-76%
C+	75.9%-72%
C	71.9%-68%
C-	67.9%-64%
D+	63.9%-60%
D	59.9%-56%

Grade	Percentage
D-	55.9%-52%
F	51.9%-0%

See the [current UF grading policies](#) for more information.

UF Policies

University Policy on Accommodating Students with Disabilities

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, disability.ufl.edu) by providing appropriate documentation. Once registered, students will receive an accommodation letter that must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

University Policy on Academic Conduct

UF students are bound by The Honor Pledge, which states, “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." The [Student Honor Code and Student Conduct Code](#) specifies a number of behaviors that violate this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor or TAs in this class.

Netiquette and Communication Courtesy

All class members are expected to follow rules of common courtesy in all email messages, threaded discussions, and chats.

Getting Help

Technical Difficulties

For issues with technical difficulties for Canvas, please contact the UF Help Desk at:

- helpdesk.ufl.edu
- (352) 392-HELP (4357)
- Walk-in: HUB 132

Any requests for make-ups due to technical issues should be accompanied by the ticket number received from the Help Desk when the problem was reported to them. The ticket number will document the time and date of the problem. You should e-mail your instructor within 24 hours of the technical difficulty if you wish to request a make-up.

Health and Wellness

- **U Matter, We Care:** If you or someone you know is in distress, please contact umatter@ufl.edu, 352-392-1575, or visit umatter.ufl.edu to refer or report a concern, and a team member will reach out to the student in distress.
- **Counseling and Wellness Center:** Visit counseling.ufl.edu or call 352-392-1575 for information on crisis services as well as non-crisis services.
- **Student Health Care Center:** Call 352-392-1161 for 24/7 information to help you find the care you need, or visit shcc.ufl.edu.
- **University Police Department:** Visit police.ufl.edu or call 352-392-1111 (or 9-1-1 for emergencies).
- **UF Health Shands Emergency Room/Trauma Center:** For immediate medical care in Gainesville, call 352-733-0111, or go to the emergency room at 1515 SW Archer Road, Gainesville, FL 32608; ufhealth.org/emergency-room-trauma-center.

Academic and Student Support

- **Career Connections Center:** 352-392-1601. Career assistance and counseling services career.ufl.edu.
- **Library Support:** Various ways to receive assistance for using the libraries or finding resources. cms.uflib.ufl.edu/ask
- **Teaching Center:** 352-392-2010 General study skills and tutoring: teachingcenter.ufl.edu
- **Writing Studio:** 352-846-1138. Help brainstorming, formatting, and writing papers: writing.ufl.edu/writing-studio

Course Evaluations

Students are expected to provide professional and respectful feedback on the quality of instruction in this course by completing course evaluations online via GatorEvals. Guidance on how to give feedback professionally and respectfully is available at gatorevals.aa.ufl.edu/students/. Students will be notified when the evaluation period opens and can complete evaluations through the email they receive from GatorEvals, in their Canvas course menu under GatorEvals, or via ufl.bluera.com/ufl. Summaries of course evaluation results are available to students at gatorevals.aa.ufl.edu/public-results.

Tips for Success

Taking a course online can be a lot of fun! Here are some tips that will help you get the most of this course while taking full advantage of the online format:

- Schedule "class times" for yourself. It is important to do the coursework on time each week. You will receive a reduction in points for work that is turned in late!
- Read ALL of the material contained on this site. There is a lot of helpful information that can save you time and help you meet the course's objectives.

- Print out the Course Schedule located in the Course Syllabus and check things off as you go.
- Take full advantage of the online discussion boards. Ask for help or clarification of the material if you need it.
- Do not wait to ask questions! Waiting to ask a question might cause you to miss a due date.
- Do your work well before the due dates. Sometimes things happen. If your computer goes down when you are trying to submit an assignment, you'll need time to troubleshoot the problem.
- To be extra safe, back up your work to an external hard drive, thumb drive, or through a cloud service.

Privacy and Accessibility Policies

For information about the privacy policies of the tools used in this course, see the links below:

- Instructure (Canvas)
 - [Privacy Policy](#)
 - [Accessibility](#)
- Sonic Foundry (Mediasite Streaming Video Player)
 - [Privacy Policy](#)
 - [Accessibility](#)
- Zoom
 - [Privacy Policy](#)
 - [Accessibility](#)
- YouTube (Google)
 - [Privacy Policy](#)
 - [Accessibility](#)
- Microsoft
 - [Privacy Policy](#)
 - [Accessibility](#)
- *R* and *RStudio*
 - [Privacy Policy](#)
 - [Accessibility](#)

COVID-19 Recorded Course Statement

Our class sessions may be audio-visually recorded for students in the class to refer back and for enrolled students who are unable to attend live. Students who participate with their camera engaged or utilized a profile image agree to have their video or image recorded. If you are unwilling to consent to have your profile or video image recorded, be sure to keep your camera off and do not use a profile image. Likewise, students who un-mute during class and participate orally are agreeing to have their voices recorded. If you are not willing to consent to have your voice recorded during class, you will need to keep your mute button activated and communicate exclusively using the "chat" feature, allowing students to type questions and comments live. The

chat will not be recorded or shared. As in all courses, unauthorized recording and unauthorized sharing of recorded materials are prohibited.

Course Summary:

Date	Details	Due
Tue Aug 31, 2021	Assignment Concept Quiz 1.0	due by 11:59pm
	Assignment Data Set Analysis 1.1	due by 11:59pm
	Assignment Data Set Analysis 1.2	due by 11:59pm
Fri Sep 10, 2021	Assignment Concept Quiz 2.0	due by 11:59pm
	Assignment Data Set Analysis 2.1	due by 11:59pm
	Assignment Data Set Analysis 2.2	due by 11:59pm
	Assignment Data Set Analysis 2.3	due by 11:59pm
Fri Sep 17, 2021	Assignment Concept Quiz 3.0	due by 11:59pm
	Assignment Data Set Analysis 3.1	due by 11:59pm
	Assignment Data Set Analysis 3.2	due by 11:59pm
	Assignment Data Set Analysis 3.3	due by 11:59pm
Fri Sep 24, 2021	Assignment Fix the Script 3.0	due by 11:59pm
	Assignment Concept Quiz 4.0	due by 11:59pm
	Assignment Data Set Analysis 4.1	due by 11:59pm
	Assignment Data Set Analysis 4.2	due by 11:59pm
Fri Oct 1, 2021	Assignment Data Set Analysis 4.3	due by 11:59pm
	Assignment Data Set Analysis 4.4	due by 11:59pm
	Assignment Concept Quiz 5.0	due by 11:59pm
	Assignment Data Set Analysis 5.1	due by 11:59pm
Fri Oct 8, 2021	Assignment Data Set Analysis 5.2	due by 11:59pm
	Assignment Data Set Analysis 5.3	due by 11:59pm
	Assignment Concept Quiz 6.0	due by 11:59pm
	Assignment Data Set Analysis 6.1	due by 11:59pm
Fri Oct 8, 2021	Assignment Data Set Analysis 6.2	due by 11:59pm
	Assignment Data Set Analysis 6.3	due by 11:59pm
	Assignment Fix the Script 6.0	due by 11:59pm
	Assignment Concept Quiz 7.0	due by 11:59pm
Tue Oct 19, 2021	Assignment Data Set Analysis 7.1	due by 11:59pm
	Assignment Data Set Analysis 7.2	due by 11:59pm
	Assignment Fix the Script 7.0	due by 11:59pm
Fri Nov 5, 2021	Assignment Concept Quiz 8.0	due by 11:59pm
	Assignment Data Set Analysis 8.1	due by 11:59pm

Date	Details	Due
	Assignment Data Set Analysis 8.2	due by 11:59pm
	Assignment Data Set Analysis 8.3	due by 11:59pm
	Assignment Fix the Script 8.0	due by 11:59pm
Fri Nov 19, 2021	Assignment Concept Quiz 9.0	due by 11:59pm
	Assignment Data Set Analysis 9.1	due by 11:59pm
	Assignment Data Set Analysis 9.2	due by 11:59pm
Fri Dec 3, 2021	Assignment Data Set Analysis 10.1	due by 11:59pm
	Assignment Data Set Analysis 10.2	due by 11:59pm
	Assignment Data Set Analysis 10.3	due by 11:59pm
	Assignment Data Set Analysis 10.4	due by 11:59pm
Wed Dec 8, 2021	Assignment Data Set Analysis 11.1	due by 11:59pm
	Assignment Data Set Analysis 11.2	due by 11:59pm
Wed Dec 15, 2021	Assignment Final Exam	due by 11:59pm