Class Syllabus
Fall 2017

ANG 6930 Data Analysis

Thur. 9:35-12:35 Room: TUR 2306

Instructor: Jeffrey C. Johnson **johnsonje@ufl.edu**

Office: 352-392-1020 Ayers Suite 254 Room 207
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Office Hours: 10:00 - 1:00 Tuesday and 2:00-3:00 Wednesday

Abstract: This class focuses on the fundamentals of data analyses for anthropological research. Particular attention will be paid to the relationships among research problems and appropriate data and methods of analysis. Data analysis will be viewed very broadly and will include data visualization methods, the analysis of relational data, analysis of social networks, exploratory data analysis, data reduction techniques, text analysis, measurement issues, and statistical techniques for the analysis of data. By the end of the course students will be able to match appropriate analytical approach to a given set of data and research problem.

Class Goals and Objectives: To give students engaged in anthropological research an understanding of the spectrum of data analysis approaches appropriate for a given type of data and research problem.

Readings

Assigned Textbook: Selecting the Right Analyses for Your Data. W.P. Vogt et al. (2014).

Additional readings: Assigned on a weekly basis from a variety of sources (usually provided in digital form). These additional readings will be posted online at: http://jeffreycjohnson.org

Tests and Projects: There will be a mid-term exam and a final class project. The final project involves the development of a data analysis project of the student's choosing. This is an opportunity for students to conduct a data analysis that is most relevant to their PhD dissertation topic. Students will present their data analysis projects during the final exam period and their analysis will be discussed and reviewed by fellow students as well as the instructor.

Assignments: There will occasionally be short weekly assignments involving some type of data analysis exercise based on readings for the week. In addition, students will discuss possible data analysis projects on a weekly basis.

Analytical Software: Several analytical programs will be used throughout the course. Most run in Windows only, so people with Macs will have to find a way of running Windows based

software. The usual way to solve this is to use Boot Camp. You will need a copy of Windows. Students can purchase a copy of Windows for $15 (https://news.it.ufl.edu/education/deep-discounts-on-microsoft-office-for-faculty-and-staff/). Instructions for installing Windows on the Mac using Boot Camp can be found here: https://support.apple.com/en-us/HT201468

Programs needed:

UCINET 6

You can get a trial version for the semester at the Analytic Technology web site.

http://www.analytictech.com/products.htm

Anthropac

You can get a free version at the Analytic Technology web site.

http://www.analytictech.com/products.htm

MyStat (a free mini version of the statistical package SYSTAT).

https://systatsoftware.com/downloads/download-mystat/

Others to be announced later.

Grading: Grades will be based on exercises, weekly proposal development assignments, tests and the final project.
Exams-25%
Assignments and Proposal Presentations and Discussions-25%
Final Proposal Project-50%
For further information on UF's Grading Policy, see:
http://www.registrar.ufl.edu/catalog1011/policies/regulationgrades.html
http://www.isis.ufl.edu/minusgrades.html

Tentative Schedule

August 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24 Introduction and Orientation Chapter 1	25	26
27	28	29	30	31 What are Data? Data management (readings)		

September 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4 Labor Day	5	6	7 Data Reduction-Coding Chapter 2-4	8	9
10 Grandparents Day	11	12	13	14 Data Reduction-Coding	15	16
17	18	19	20	21 Data Reduction-Coding	22 Autumn Begins	23
24	25	26	27	28 Data Reduction-Visualization	29 Yom Kippur	30

October 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5 Analyzing Relational Data	6	7
8	9 Columbus Day	10	11	12 Cultural Consensus Analysis Chapter 6	13	14
15	16	17	18	19 Basics of Statistical Analysis Chapters 6-10	20 Rosh Hashanah	21
22	23	24	25	26 Choosing the Right Statistical Approach	27	28
29	30	31 Halloween		Associational Methods And Advanced Methods		

November 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1	2 Network Analysis	3	4
5 Daylight Savings Ends	6	7	8	9 Network Analysis	10	11 Veterans Day
12	13	14	15	16 Qualitative Data Analysis Chapter 11	17	18
19	20	21	22 Thanksgiving	23 Thanksgiving	24 Thanksgiving	25
26	27	28	29	30 Qualitative Data Analysis Chapters 12 & 13		

December 2017

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7 Big Data Chapter 5	8	9
10	11	12 Hanukkah	13	14 Student Presentations	15	16
17	18	19	20	21 Winter Begins (Winter is coming.)	22	23
24	25 Christmas Day	26 Kwanzaa	27	28	29	30
New Year's Eve 31						