

URBP 204B QUANTITATIVE METHODS II SPRING 2009 (WEDNESDAY SECTION)

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Office hours: Wednesdays and Thursdays 6:00 - 7:00pm
Class days/time: Wednesday 7:15 – 10:00pm
Classroom: HB 405 and WSQ 208

Course Catalog Description:

The modeling of basic social, economic and physical data required for urban and regional planning.

Course Description and Objectives:

Upon successful completion of the course, students will be able to:

1. *Use appropriate models to address population, growth, economic growth, and spatial interaction*
2. *Employ ordinary least squares and logistic regression*
3. *Pose and answer planning research questions with quantitative methods*
4. *Present a small portfolio of professional work*

Required Course Readings:

Klosterman, R.E., 1990. *Community Analysis and Planning Techniques*, Savage: Rowman and Littlefield Publishers, Inc.

Chatterjee, S., Hadi, A.S., Price, B., 2000. *Regression Analysis by Example*, New York: John Wiley and Sons.

Course Assignments and Grading Policy:

Your grade for the course will be based primarily on the following assignments:

Assignment Title	Percent of Total Grade
Extrapolation	10%
Cohort Component	20%
Economic Analysis	20%
OLS Regression	20%
Logistic Regression	20%
Individual Presentations	10%

The members of this class will at the end of each unit, use one of the models learned to ask and answer a planning question. The deliverable will be a short memorandum that includes a problem statement, a brief review of the relevant literature, a description of the chosen quantitative method, a description of the data set, the analysis of that data using the chosen method, relevant findings, and some policy conclusions. It is recommended that students work in groups of two or three. During the time scheduled for the final exam, each student will individually present one of the memoranda to the class. Each presentation will last five minutes with a few minutes for questions.

Other grading/assignment issues

A few percentage points of extra credit are available to students who bring the instructor image or video files from the mass media that well illustrate any of the models in the class.

Academic integrity statement, plagiarism, and citing sources properly

SJSU's Policy on Academic Integrity states: "Your own commitment to learning, as evidenced by your enrollment at San Jose State University, and the University's Academic Integrity Policy requires you to be honest in all your academic course work. Faculty members are required to report all infractions to the Office of Student Conduct and Ethical Development" (Academic Senate Policy S07-2). [The policy on academic integrity can be found at http://www.sjsu.edu/senate/S07-2.htm](http://www.sjsu.edu/senate/S07-2.htm).

Plagiarism is the use of someone else's language, images, data, or ideas without proper attribution. It is a very serious offense both in the university and in your professional work. In essence, plagiarism is both theft and lying: you have stolen someone else's ideas, and then lied by implying that they are your own.

Plagiarism will lead to grade penalties and a record filed with the Office of Student Conduct and Ethical Development. In severe cases, students may also fail the course or even be expelled from the university.

If you are unsure what constitutes plagiarism, it is your responsibility to make sure you clarify the issues before you hand in draft or final work.

Learning when to cite a source and when not to is an art, not a science. However, here are some examples of plagiarism that you should be careful to avoid:

- If you use a sentence (or even part of a sentence) that someone else wrote and don't reference the source, you have committed plagiarism.
- If you paraphrase somebody else's theory or idea and don't reference the source, you have committed plagiarism.
- If you use a picture or table from a webpage or book and don't reference the source, you have committed plagiarism.
- If your work incorporates data someone else has collected and you don't reference the source, you have committed plagiarism.

The University of Indiana has developed a very helpful website with concrete examples about proper paraphrasing and quotation. See in particular the following pages:

- [Overview of plagiarism at http://www.indiana.edu/~istd/overview.html](http://www.indiana.edu/~istd/overview.html)
- [Examples of plagiarism at http://www.indiana.edu/~istd/examples.html](http://www.indiana.edu/~istd/examples.html)
- [Plagiarism quiz at http://www.indiana.edu/~istd/test.html](http://www.indiana.edu/~istd/test.html)

If you still have questions, feel free to talk to me personally. There is nothing wrong with asking for help, whereas even unintentional plagiarism is a serious offense.

Citation style

It is important to properly cite any references you use in your assignments. The Department of Urban and Regional Planning uses Kate Turabian's "A Manual for Writers of Research Papers, Theses, and Dissertations, 7th edition" (University of Chicago Press, 2007, ISBN-10: 0-226-82336-9). Copies are available in the SJSU King Library. Additionally, the book is relatively inexpensive, and you may wish to purchase a copy. Please note that Turabian's book describes two systems for referencing materials: (1) "notes" (footnotes or endnotes), plus a corresponding bibliography, and (2) in-text parenthetical references, plus a corresponding reference list. This class will use the latter method.

Accommodation for Disabilities

If you need course adaptations or accommodations because of a disability, or if you need to make special arrangements in case the building must be evacuated, please make an appointment with me as soon as possible, or see me during office hours. Presidential Directive 97-03 requires that students with disabilities requesting accommodations must register with the DRC (Disability Resource Center) to establish a record of their disability.

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TENTATIVE COURSE SCHEDULE

The schedule below outlines the lecture topics and the recommended pacing of the reading. The readings are for the week following the lecture. The assignments are due on the day they are listed. Some additional readings will be provided during the Economic Analysis unit. Any changes to this schedule will be discussed in class with as much notice as possible.

Date	Lecture Topic	Reading	Assignments
1/28	Extrapolation I	<i>Klosterman pp. 1 – 31.</i>	
2/4	Extrapolation II	<i>Klosterman pp. 33 – 48.</i>	
2/11	Cohort-Component I	<i>Klosterman pp. 49 – 64.</i>	
2/18	Cohort-Component II	<i>Klosterman pp. 65 – 98.</i>	Extrapolation Due
2/25	Cohort-Component III	<i>Klosterman pp. 101 – 109.</i>	
3/4	Economic Analysis I	<i>Klosterman pp. 111 – 123.</i>	
3/11	Economic Analysis II	<i>Klosterman pp. 125 – 167.</i>	Cohort-Component Due
3/18	Economic Analysis III	<i>Klosterman pp. 169 – 203.</i>	
4/1	OLS Regression I	<i>Chatterjee pp. 1 – 45.</i>	
4/8	OLS Regression II	<i>Chatterjee pp. 51 – 80.</i>	Economic Analysis Due
4/15	SPSS Tutorial	<i>Chatterjee pp. 85 – 116.</i>	
4/22	OLS Regression III	<i>Chatterjee pp. 201 – 260.</i>	
4/29	OLS Regression IV	<i>Chatterjee pp. 263 – 316.</i>	
5/6	Logistic Regression II	<i>Chatterjee pp. 319 – 333.</i>	OLS Regression Due
5/13	Logistic Regression III		
5/20	Individual Presentations		Logistic Regression Due