Milano School of International Affairs, Management, and Urban Policy

Quantitative Methods

Fall 2011

Mondays 2:00 - 3:50 pm
Wednesdays 2:00 - 3:50 pm

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COURSE DESCRIPTION

Students learn basic statistical methods, develop an appreciation for statistics, become statistically literate, learn how to use statistical techniques properly, gain confidence concerning the usage of the SPSS software program, and acquire the skills necessary to look at statistical analyses critically.

COURSE REQUIREMENTS

1. Students are expected to attend all the classes.

2. The teaching assistant will regularly be available to work with students on homework, or to review concepts covered in class. It is the students' responsibility to make the appointments with the TA. Working with the TA is not compulsory but recommended.

3. Students should be prepared to allocate more time to this class than most courses due to the SPSS homeworks which require lab hours outside the regular class hours. The TA will arrange review sessions before exams, and additional computer sessions when necessary. Computer sessions will be held in a computer lab. Please ensure that you have a valid New School ID so that you can participate in the computer lab sessions. Again, it is the students' responsibility to find out about the additional sessions and attend them. The additional computer sessions outside the regular class hours are not compulsory but recommended.

4. The instructor is available for questions and consultation by appointment: (**Tokatlin@newschool.edu**).

5. Assignments (which should be brief, well-written, and typed) are expected on time. Otherwise, there will be a late penalty.

The final grade for the course will be based on the following distribution: two exams (25 % each), three SPSS assignments (5 % each) and a final (35 %).

TEXTBOOK

Purchase any edition of the following book – used, cheaper copies are fine.

Healey, Joseph F. (Any Year) Statistics: A Tool for Social Research, Belmont CA: Wadsworth Publishing.

TOPICS COVERED AND SCHEDULE

Date	**Topic**	**Healey**	
August 29	Introduction to Basic Concepts	Chapter 1	
August 31	Basic Descriptive Statistics	Chapter 2	
September 5	**Labor Day**	**NO CLASS**	
September 7	Measures of Central Tendency	Chapter 3	September 9 (**Friday** 2:00 – 3:50): Math Review by the TA (not compulsory but recommended)
September 12	Measures of Dispersion	Chapter 4	
September 14	The Normal Distribution	Chapter 5	September 16 (**Friday** 2:00 – 3:50): Introduction to SPSS by the TA (not compulsory but recommended)
September 19	The Normal Distribution, Sampling and the Sampling Distribution	Chapters 5-6	
September 21	Sampling, the Sampling Distribution and Estimation Procedures	Chapters 6-7	Starting from September 23 (most Fridays – subject to change): weekly reviews. Any additional review and lab meetings will later be announced by the TA and held outside regular hours.
September 26	Estimation Procedures	Chapter 7	
September 28	Hypothesis Testing: The One-Sample Case	Chapter 8	
October 3	Hypothesis Testing: The One-Sample Case	Chapter 8	
October 5	Review		
October 10	**First Exam**		

October 12	SPSS Applications	**LAB Session I**
October 17	Hypothesis Testing: The Two-Sample Case	Chapter 9
October 19	Hypothesis Testing: The Two-Sample Case	Chapter 9
October 24	Hypothesis Testing: The Analysis of Variance	Chapter 10
October 26	Hypothesis Testing: Chi-Square Analysis	Chapter 11
October 31	Measures of Association for Nominal and Ordinal Variables	Chapter 12-13-14
November 2	Review	
November 7	**Second Exam**	
November 9	SPSS Applications	**LAB Session II**
November 14	Measures of Association for Interval-Ratio Variables	Chapter 15
November 16	Multiple Regression and Correlation	Chapter 16-17
November 21	SPSS Applications	**LAB Session III**
November 23	**THANKSGIVING**	**NO CLASS**
November 28	Regression and Correlation SPSS Applications (in classroom)	
November 30	Regression and Correlation SPSS Applications (in classroom)	
December 5	Regression and Correlation SPSS Applications	**LAB Session IV**
December 7	Regression and Correlation SPSS Applications (in classroom)	
December 12	Review	
December 14	**Final**	