

PA608 Quantitative Methods II
Spring 2003
Mondays, 2:15-4:45
Instructor: Lynn C. Burbridge
973-412-1487
lburbridge@aol.com

Bruce L. Bowerman and Richard T. O'Connell, *Forecasting and Time Series: An Applied Approach*, Belmont, CA: Duxbury Press.

Rudolf J. Freund and Ramon C. Littell, *SAS System for Regression*, Cary, NC: SAS Institute.

Joseph F. Hair, et al., *Multivariate Data Analysis*, Upper Saddle River, NJ: Prentice Hall

Larry Hatcher, *A Step-by-Step Approach to Using the SAS System for Factor Analysis and Structural Equation Modeling*, Cary, NC: The SAS Institute

Harry H. Kelejian and Wallace E. Oates, *Introduction to Econometrics: Principles and Applications*, New York: Harper and Row Publishers

John C. Loehlin, *Latent Variable Models: An Introduction to Factor, Path, and Structural Analysis*, Hillsdale, NJ: Lawrence Erlbaum Associates

Delbert C. Miller, *Handbook of Research Design and Social Measurement*, Thousand Oaks, CA: Sage Publications

Fred C. Pampel, *Logistic Regression: A Primer*, Thousand Oaks, CA: Sage Publications

A.H. Studenmund, *Using Econometrics: A Practical Guide*, Boston: Addison-Wesley-Longman, 2001.

SAS Institute, *SAS/ETS Software: Applications Guide 1*, Cary, NC: SAS Institute

SAS Institute, *SAS/ETS Software: Applications Guide 2*, Cary, NC: SAS Institute

Schedule of Classes

January 27 **Class Overview**

February 3 **Logistic Regression**
Pampel
Homework

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February 10	Time Series Analysis Kelejian and Oats, pp. 190-207 Bowerman and O'Connell, Chapter 6 Freund and Littell, pp. 86-94 Homework
February 17	Time Series Analysis II Studenman, Chapter 12 SAS Guide 1, Chapter 9 SAS Guide 2, Chapter 5
February 24	Exploratory Factor Analysis Hair, et. al., Chapter 3 Hatcher, Chapters 1 and 2 Preliminary proposal
March 3	Path Analysis and SEM (Overview) Hair, et. al., Chapter 11 Loehlin, selected reading Homework (theory)
March 10	SEM with Manifest Variables Hatcher, Chapter 4 Homework
March 17	Spring Break
March 24	Confirmatory Factor Analysis Hatcher, Chapter 5 Homework
March 31	SEM with Latent Variables Hatcher, Chapter 6 Homework
April 7	Discussion of Class Projects
April 14	Discussion of Class Projects
April 21	Discussion of Class Projects
April 28	Discussion of Class Projects
May 5	Presentation of Class Projects

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Qualitative Methods
Professor Sadovnik
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The purpose of this course is to introduce doctoral students to the philosophy and methods of qualitative research. Through an examination of the evolution of qualitative methodology, the various forms of qualitative research, the ways to conduct qualitative inquiry, and examples of various qualitative methods, students will understand how to conduct qualitative inquiry.

Objectives:

- 1) students will be able to identify the types of studies that are appropriate for a qualitative research design;
- 2) students will understand the history of qualitative inquiry in the social sciences;
- 3) students will be able to distinguish between quantitative and qualitative methodology;
- 4) students will understand the various types of qualitative methodology and their uses;
- 5) students will be able to interpret, evaluate and present qualitative data;
- 6) students will be able to understand and critique qualitative studies;
- 7) students will be able to develop an original qualitative research proposal.

Required Books:

Books are at NJ books

Denzin, N. and Lincoln, Y. *Collecting and Interpreting Qualitative Materials*.

Lareau, A. *Home Advantage*.

Sanjek, R. *The Future of us All?*

Sadovnik, A. and Semel, S. *Founding Mothers: Women Educational Leaders During the Progressive Era*

Required Assignments:

1. A take home midterm paper 8-10 pages to be distributed in class (30%);
2. A analysis and critique of one of the three books illustrating qualitative methods (20%);
3. A final research proposal on a topic of your choosing, which incorporates a detailed discussion of research methodology (40%);
4. Class participation (10%)

Reading and Discussion Outline

I. Introduction to Qualitative Research

Read: Denzin, chapter 1

II. Methods of Collecting and Analyzing Qualitative Data

A. Interviewing

Read: Denzin, chapter 2

B. Observation

Read: Denzin, chapter 3

C. Interpretation of Documents

Read: Denzin, Chapter 4

D. Visual Methods

Read: Denzin, Chapter 5

E. Personal Experience Methods

Read: Denzin, Chapter 6

F. Data Management Methods

Read: Denzin, Chapter 7

G. Computers and Qualitative Research

Read: Denzin, Chapter 8

H. Narrative, Content and Semiotic Analysis

Read: Denzin, Chapter 9

III. Interpretation, Evaluation and Presentation of Data

A. Validity in Qualitative Research

Read: Denzin, Chapter 10

B. Art and Politics of Interpretation

Read: Denzin, Chapter 11

C. Writing Qualitative Studies

Read: Denzin, Chapter 12

D. Qualitative Program Evaluation

Read: Denzin, Chapter 13

E. Qualitative Research and Policy

Read: Denzin, Chapter 14

IV. Examples of Qualitative Research

A. Community Study Ethnography

Read: Sanjek

B. Institutional Study Ethnography

Read: Lareau

C. Historical Case Studies

Read: Sadovnik and Semel

V. Research Proposal Design