

**SURV 641: SURVEY PRACTICUM
FALL 2009**

Tuesday 3:30 p.m. to 5:30 p.m.
2208 Lefrak Hall

Instructor:

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Course website

www.jpsm.org/surv641

COURSE OVERVIEW

This is the second semester of a two-semester course on how survey research is done. This semester is focused on activities that occur following the collection of survey data, including data preparation, weighting and imputation, data analysis, and presentation of results. The class will consist of lectures, readings, and hands-on work with the survey that was designed in SURV 640 and carried out over the summer.

ASSIGNMENTS

The main assignment is the preparation of a research report summarizing some aspect of the survey results. This should follow the format of an article for presentation at a conference such as the annual American Statistical Association meetings or for publication in a professional journal such as *Public Opinion Quarterly*.

Assignment #	Description	% of Grade	Due Date
Assignment 1	2-page analysis proposal	5%	September 15
Assignment 2	Expanded analysis proposal	5%	September 29
Assignment 3	Data coding/data linkage exercise	10%	October 13
Assignment 4	Preliminary data analysis	10%	November 10
Assignment 5	Presentation to class and sponsors	10%	December 1 and December 8
Assignment 6	Final paper	60%	December 15

The course website, accessible at <http://www.jpsm.umd.edu/surv641>, will be used to distribute survey data files, data documentation and related materials. Copies of the course readings will be available in the JPSM library.

CLASS SCHEDULE AND READINGS

September 1: Report on Survey Fielding Experience; General Issues in Analysis

James A. Davis. 1985. *The Logic of Causal Order*. Thousand Oaks, CA: Sage Publications.

Carol S. Aneshensel. 2002. *Theory-Based Data Analysis for the Social Sciences*. Thousand Oaks, CA: Sage Publications.

September 8, 15: Survey Data Analysis

Richard A. Berk. 1983. "Applications of the General Linear Model to Survey Data," in P.H. Rossi, J.D. Wright and A.B. Anderson, eds., *Handbook of Survey Research*, San Diego: Academic Press, pp. 495-546.

D. Garth Taylor. 1983. "Analyzing Qualitative Data," in P.H. Rossi, J.D. Wright and A.B. Anderson, eds., *Handbook of Survey Research*, San Diego: Academic Press, pp. 547-612.

Depending on your knowledge background and the analysis you propose, additional readings that might be useful include:

Alan Agresti. 1996. *An Introduction to Categorical Data Analysis*. New York: John Wiley and Sons.

David W. Hosmer and Stanley Lemeshow. 2000. *Applied Logistic Regression*. New York: John Wiley and Sons.

Jae-On Kim and Charles W. Mueller. 1978. *Introduction to Factor Analysis*. Thousand Oaks, California: Sage Publications.

Steven R. Brown and Lawrence E. Melamed. 1990. *Experimental Design and Analysis*. Thousand Oaks, California: Sage Publications.

September 22: Coding, Cleaning and Data Preparation

Robert M. Groves et al. 2004. Chapter 10, pp. 303-321, "Postcollection Processing of Survey Data," in *Survey Methodology*, Hoboken, New Jersey: John Wiley and Sons.

September 29: Student proposal presentations

October 6, 13: Weighting and Variance Estimation

Dave Elliot. 1991. *Weighting for Non-response: A Survey Researcher's Guide*. London, England: Social Survey Division, Office of Population Censuses and Surveys.

Bob Butcher and Dave Elliot. 1986. *A Sampling Errors Manual*. London, England: Social Survey Division, Office of Population Censuses and Surveys.

October 20: Imputation

Graham Kalton and Daniel Kasprzyk. 1986. "The Treatment of Missing Survey Data," *Survey Methodology*, Vol. 12, No. 1, pp. 1-16.

Carl-Erik Sarndal and Sixten Lundstrom. 2005. *Estimation in Surveys with Nonresponse*. New York: John Wiley and Sons, 153-165.

October 27: Individual meetings to discuss preliminary data analyses

November 3: NO CLASS

November 10: Student presentations of preliminary data analyses

November 17: Report Presentation

C.A Moser and G. Kalton. 1979. "Analysis, Interpretation and Presentation," Chapter 17, pp. 439-479, in *Survey Methods in Social Investigation*. London: Heinemann.

J. Davis and A. Jacobs. 1968. "Tabular Presentations," pp. 497-501 in *International Encyclopedia of the Social Sciences*, New York: Macmillan.

E.R. Tufte. 1983. Chapters 1-3, *The Visual Display of Quantitative Information*. Cheshire, Connecticut: Graphics Press.

November 24: NO CLASS

December 1, 8: Paper presentations and report to sponsor

December 15: Final paper due