

Methods/Statistics Comprehensive Exam Reading List (Last Revised June 2013)

Note. Along with the readings on this list, students are expected to have a mastery of the topics covered in the methods/statistics courses offered in the department.

General

Abbott, Andrew. 2001. *Time Matters: On Theory and Method*. Chicago: University of Chicago Press.

Stolzenberg, Ross M. 2003. "Book Review: Time Matters: On Theory and Method." *Sociological Methods & Research* 31:420-427.

Becker, Howard. 1998. *Tricks of the Trade*. Chicago: University of Chicago Press.

Camic, Charles and Yu Xie. 1994. "The Statistical Turn in American Social Science: Columbia University, 1890 to 1915." *American Sociological Review* 59:773-805

Goldthorpe, John. 2000. *On Sociology: Numbers, Narratives, and the Integration of Research and Theory*. Oxford University Press.

Leahey, Erin (2008). "Methodological Memes and Mores: Toward a Sociology of Social Research." *Annual Review of Sociology*, 34: 33-53.

Leahey, Erin (2005). "Alphas and Asterisks: The Development of Statistical Significance Testing Standards in Sociology." *Social Forces* 84(1): 1-24.

Leahey, Erin, Barbara Entwisle, and Peter Einaudi (2003). "Diversity in Everyday Research Practice: The Case of Data Editing." *Sociological Methods and Research* 32(1): 64-89.

Sana, Mariano, and Alexander A. Weinreb. 2008. "Insiders, Outsiders, and the Editing of Inconsistent Survey Data." *Sociological Methods and Research* 36(4):515-541.

Weinreb, Alex (2006). "The Limitations of Stranger-interviewers in Rural Kenya." *American Sociological Review* 71(6): 1014-1039

Liebertson, Stanley. 1992. "Einstein, Renoir, and Greeley: Evidence in Sociology." *American Sociological Review* 57:1-18.

Liebertson, Stanley. 1985. *Making it Count*. Berkeley: University of California Press.

Raftery, Adrian E. 2001. "Statistics in Sociology, 1950-2000: A Selective Review." *Sociological Methodology* 31:1-45.

Royce A. Singleton and Bruce C. Straights (2005). *Approaches to Social Research* (4th edition). New York: Oxford University Press.

Concepts and Measures

Important foundations can be found in the chapters on measurement in Singleton & Straights (chapter depends on edition), King, Keohane, and Verba (pp 150-168), and *Becker's Tricks of the Trade*.

Nora Cate Schaeffer and Stanley Presser (2003). "The Science of Asking Questions." *Annual Review of Sociology*. 29: 65-88.

Howard Schuman (2008). *Method and Meaning in Polls and Surveys*. Chapter 2: "The Primordial Distinction between Open and Closed Attitude Questions." Cambridge, MA: Harvard University Press.

Mark E. Hill (2002). "Race of the Interviewer and Perception of Skin Color: Evidence from the Multi-City Study of Urban Inequality." *American Sociological Review*, 67 (1), February, pp. 99-108.

Norman Bradburn (1983). "Response Effects." Chapter 8 in Rossi, Wright, and Anderson (eds) *Handbook of Survey Research*. Academic Press.

Paik, Anthony, and Kenneth Sanchagrin (2013). "Social Isolation in America: An Artefact." *American Sociological Review* 78(3): 339-360.

Richard Lewontin. 2000. "Sex, Lies, and Social Science," pp. 229-269 in *It Ain't Necessarily So: The Dream of the Human Genome and Other Illusions*. New York: New York Review of Books (including responses/rejoinders).

Sampling and Related Issues

Important foundations can be found in the chapters on sampling in Singleton & Straights, King, Keohane, and Verba, and *Becker's Tricks of the Trade*.

Robert Groves et al. 2009. *Survey Methodology*. John Wiley and Sons. Hoboken, NJ. Chp 3 and 4.

Mitchell Duneier. 2011. "How Not to Lie with Ethnography." *Sociological Methodology*, 41:1-11.

Mario Small. 2009. "How Many Cases Do I Need? On Science and the Logic of Case Selection in Field-based Research." *Ethnography* 10(1): 5-38.

Kish, Leslie. 1995(1965). *Survey Sampling*. New York: Wiley.

Berk, Richard. 1983. "An Introduction to Sample Selection Bias in Sociological Data." *American Sociological Review*, vol. 48, pp. 386-398.

Geddes, Barbara. 1990. "How the Cases you Choose Affect the Answers you Get: Selection Bias in Comparative Politics." *Political Analysis* 31(4): 465-476.

Winship, Christopher and Robert Mare. 1992. "Models for Sample Selection Bias." *Annual Review of Sociology* (18) 327-350.

Case-Oriented and Related Research Methods

Burawoy, Michael. 1998. "The Extended Case Method." *Sociological Theory* 16(1): 4-33.

Eliason, Scott and Robin Stryker. 2009. "Goodness-of-Fit Tests and Descriptive Measures in Fuzzy-Set Analysis." *Sociological Methods and Research* 38(1):102-146.

Geertz, Clifford. 1973. "Deep Play: Notes on the Balinese Cockfight." Pp. 412-454 in *The Interpretation of Cultures*. NY: Basic Books.

George, Alexander and Andrew Bennett. 2005. *Case Studies and Theory Development in the Social Sciences*. Cambridge, MA: MIT Press.

Griffin, Larry J. 1993. "Narrative, Event-Structure Analysis, and Causal Interpretation in Historical Sociology ." *American Journal of Sociology* 98:1094-1133.

Mahoney, James. 2000. "Strategies of Causal Inference in Small-N Analysis." *Sociological Methods & Research* 28:387-424.

Ragin, Charles C. 2004. "Turning the Tables: How Case-Oriented Research Challenges Variable-Oriented Research," Chapter 8 in Brady and Collier (eds.) *Rethinking Social Inquiry*. Rowman and Littlefield.

Ragin, Charles C. 2008. *Redesigning Social Inquiry: Fuzzy Sets and Beyond*. Chicago, IL: University of Chicago Press.

Ragin, Charles C., and Howard S. Becker (eds.). 1992. *What is a Case? Exploring the Foundations of Social Inquiry*. Cambridge University Press.

Stryker, Robin. 1996. "Beyond History versus Theory: Strategic Narratives and Sociological Explanation." *Sociological Methods and Research* 24:304-352

Survey Research

Robert Groves et al. 2009. *Survey Methodology*. John Wiley and Sons. Hoboken, NJ.

Czaja, Ronald and Johnny Blair. 1996. *Designing Surveys: A Guide to Decisions and Procedures*. Sage Publications.

Schaeffer, Nora Cate, and Stanley Presser. 2003. "The Science of Asking Questions." *Annual Review of Sociology*. 29: 65-88.

Sniderman, Paul M. and Douglas B. Grob. 1996. "Innovations in Experimental Design in Attitude Surveys." *Annual Review of Sociology* 22:377-99

Sudman, Seymour, Norman M. Bradburn, and Norbert Schwarz. 1996. *Thinking About Answers: The Application of Cognitive Processes to Survey Methodology*. San Francisco: Jossey Bass.

Experimental and Quasi-Experimental Designs

Aronson, Elliot, Timothy D. Wilson, and Marilyn B. Brewer. 1998. "Experimentation in Social Psychology." Pp. 99-142 in D. T. Gilbert, S. T. Fiske, and G. Lindzey (eds.), *The Handbook of Social Psychology*, vol. 1, 4th ed.

Shadish, William R., Thomas D. Cook, and Donald T. Campbell. 2001. *Experimental and Quasi-Experimental Designs for Generalized Causal Inference*. Wadsworth.

Willer, David and Henry A. Walker. 2007. *Building Experiments: Testing Social Theory*. Stanford.

Causal Inference for Nonexperimental Data

Barringer, Sondra, Scott R. Eliason, and Erin Leahey. 2013. "A History of Causal Analysis in the Social Sciences." Chapter 2 (pp 9-26) in the Handbook of Causal Analysis for Social Research, edited by Stephen L. Morgan. Springer.

Heckman, James J. 2005. "The Scientific Model of Causality." *Sociological Methodology* 35: 1-97.

Sobel, Michael E. 2005. "Discussion: The Scientific Model of Causality." *Sociological Methodology* 35: 99-133.

Holland, Paul W. 1986. "Statistics and Causal Inference." *Journal of the American Statistical Association* 81:945-960.

Morgan, S. L. and Christopher Winship. 2007. *Counterfactuals and Causal Inference: Methods and Principles for Social Research*. Cambridge: Cambridge University Press.

Rosenbaum, Paul R. 2002. *Observational Studies*. Springer.

Smith, Herbert L. 1997. "Matching with Multiple Controls to Estimate Treatment Effects in Observational Studies." *Sociological Methodology* 27:325-53.

Sobel, Michael E. 1996. "An Introduction to Causal Inference." *Sociological Methods and Research* 24:353-379.

Winship, Christopher and Stephen L. Morgan. 1999. "The Estimation of Causal Effects from Observational Data" *Annual Review of Sociology* 25:659-706.

Statistical Modeling - General Reference

Arminger, Gerhard, Clifford C. Clogg, and Michael E. Sobel eds. 1994. *Handbook of Statistical Modeling for the Social and Behavioral Sciences*. New York: Plenum

Eliason, Scott R. 1993. *Maximum Likelihood Estimation: Logic and Practice*. Sage.

Greene, William H. 2007. *Econometric Analysis*, 6th ed. Prentice Hall.

Kutner, Michael, Christopher Nachtsheim, John Neter, and William Li. 2004. *Applied Linear Statistical Models*, 5th ed. McGraw-Hill.

Categorical, Longitudinal, Latent Variable, Hierarchical/Mixed Models

Agresti, Alan. 2002. *Categorical Data Analysis*. Hoboken, New Jersey: John Wiley and Sons.

Bollen, Kenneth. 1989. *Structural Equations with Latent Variables*. New York: Wiley.

Bryk, A. S. and S. W. Raudenbush. 2001. *Hierarchical Linear Models: Applications and Data Analysis*. 2nd ed. Sage

Diggle, Peter, Patrick Heagerty, Kung-Yee Liang, and Scott Zeger. 2002. *Analysis of Longitudinal Data*. Oxford University Press.

Hagenaars, Jacques A. and Allan L. McCutcheon. 2002. *Applied Latent Class Analysis*. Cambridge.

Loehlin, John C. 2004. *Latent Variable Models: An Introduction to Factor, Path, and Structural Analysis* 4th ed. Lawrence Erlbaum Associates.

- Long, J. Scott. 1997. *Regression Models for Categorical and Limited Dependent Variables*. Sage Publications.
- Menard, Scott (ed.) 2008. *Handbook of Longitudinal Research: Design, Measurement, and Analysis across the Social Sciences*. Academic Press.
- Molenberghs, Geert and Geert Verbeke. 2005. *Models for Discrete Longitudinal Data*. Springer.
- Singer, Judith D. and John B. Willett (2003). *Applied Longitudinal Data Analysis: Modeling Change and Event Occurrence*. Oxford: Oxford University Press.
- Vermunt, Jeroen K. 1997. *Log-Linear Models for Event Histories*. Sage.
- Verbeke, Geert and Geert Molenberghs. 2000. *Linear Mixed Models for Longitudinal Data*. Springer.
- Yamaguchi, Kazuo. 1991. *Event History Analysis*. Newbury Park, CA: Sage Publications.

Problems and Solutions

- Allison, Paul. 2002. *Missing Data*. Thousand Oaks, CA: Sage Publications.
- King, Gary, Robert O. Keohane, and Sidney Verba (1994). *Designing Social Inquiry: Scientific Inference in Qualitative Research*. Princeton, NJ: Princeton University Press.
- Collier, David and Henry Brady. 2004. *Rethinking Social Inquiry: Diverse Tools, Shared Standards*. New York: Rowman and Littlefield Publishers.
- Long, J. Scott (ed.). 1988. *Common Problems / Proper Solutions: Avoiding Error in Quantitative Research*. Newbury Park: Sage.

Network Analysis

- Breiger, Ronald L. "The Analysis of Social Networks." Pp. 505–526 in *Handbook of Data Analysis*, edited by Melissa Hardy and Alan Bryman. London: Sage Publications, 2004.
- Marsden, Peter. 1990. "Network Data and Measurement." *Annual Review of Sociology* (16) 435-463.
- Wasserman, Stanley, and Katherine Faust. 1994. *Social Network Analysis*. Cambridge: Cambridge University Press.

Mixed Methods

Leahey, Erin (2007). "Convergence *and* Confidentiality? Limits to the Implementation of Mixed Methodology." *Social Science Research* 36(1): 149-158.

Pearce, Lisa. (2002) "Integrating Survey & Ethnographic Methods For Systematic Anomalous Case Analysis." *Sociological Methodology*, 32(1): 103-132.

Tarrow, Sidney. (2004). "Bridging the Quantitative-Qualitative Divide," Ch. 10 in Brady and Collier (eds.) *Rethinking Social Inquiry*. Rowman and Littlefield.