

Methodology Concentration

Reading List for the Preliminary Examination

The graduate program in sociology offers advanced training in qualitative research design, data interpretation, and report writing. We provide training and experiences also in exploratory factor analysis, confirmatory factor analysis, second-order factor analysis, factor analysis with means structures, structural equation modeling, time-series analysis, and analysis of limited dependent variables. Sociologists employed by other departments at ISU offer courses in hierarchical linear modeling and growth curve modeling. Training in statistics is provided by faculty within the Department of Statistics.

Courses Offered in Sociology

- SOC 511: Intermediate Research Methods.
- SOC 512: Advanced Linear and Factor Models.
- SOC 513: Qualitative Research Methods.
- SOC 613: Structural Equation and Latent Variable Models.

Courses Offered in Statistics

- Stat 401: Statistical Methods for Research Workers.
- Stat 404: Regression for Social and Behavioral Research.

Courses Offered in Human Development and Family Studies

- HDFS 605: Multi-Level Modeling for Social and Behavioral Sciences

The combined readings from the syllabi for these courses when they were most recently offered are an important guide to your preparation for the preliminary examination. The list below includes the core readings from these courses and others of importance to mastering the knowledge expected within this concentration area. Please note that the required list is merely a tool to assist you in your studies. You should not consider the required readings an exhaustive list of all that you must know. In addition to your studies of the materials on the reading lists, you should be aware of the developments in methodology in general and within your other PhD concentration area.

Reading List

- Agresti, A. and B. Finlay. 1984. *Statistical Methods for the Social Sciences, 2nd Edition*. San Francisco: Dellen.
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- Devault, M.L. 2006. Introduction: What is Institutional Ethnography? *Social Problems* 53:294-298.
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- Johnston, John. 1984. *Econometric Methods, 3rd Edition*. New York: McGraw-Hill (pp. 168-181).
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- Homan, R. 1992. The Ethics of Open Methods. *British Journal of Sociology* 43: 321-332.
- Kesby, M. 2005. Retheorizing Empowerment-Through-Participation as a Performance in Space: Beyond Tyranny to Transformation. *Signs* 30: 2037-2065.
- Khanlou, N. and Peter, E. 2005. Participatory Action Research: Considerations for Ethical Review. *Social Science & Medicine* 60: 2333-2340.
- Kim, J. and C. Mueller. 1978. *Introduction to Factor Analysis*. Sage University Paper Series on Quantitative Applications in the Social Sciences, Series No. 07-013. Newbury Park, CA: Sage Publications, Inc.
- Kim, J. and C. Mueller. 1978. *Factor Analysis*. Sage University Paper Series on Quantitative Applications in the Social Sciences, Series No. 07-014. Newbury Park, CA: Sage Publications, Inc.
- Kirk, J. and M.L. Miller. 1986. *Reliability and Validity in Qualitative Research*. Sage University Paper Series on Qualitative Applications in the Social Sciences, Series No. 1. Newbury Park, CA: Sage Publications, Inc.
- Loehlin, J.C. 1998. *Latent Variable Models: An Introduction to Factor, Path, and Structural Analysis, 3rd Edition*. Mahwah, NJ: Lawrence Erlbaum (pp. 2-17).
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- Neter, J., M.H. Kutner, C.J. Nachtsheim, and W.M. Wasserman. 1996. *Applied Linear Statistical Models, 4th Edition*. Chicago: Irwin (pp. 126-132 and 772-774).
- Newman, W.L. 2006. *Social Research Methods: Qualitative and Quantitative Approaches, 6th Edition*. Boston: Allyn and Bacon.

- NSF Workshop on the Scientific Foundations of Qualitative Research: General Guidelines for Developing Qualitative Research Projects, pp. 9-19.
<http://www.nsf.gov/pubs/2004/nsf04219/nsf04219.pdf>
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- Raudenbush, S.W. and A.S. Bryk. 2002. *Hierarchical Linear Models: Applications and Data Analysis Methods, 2nd Edition*. Thousand Oaks, CA: Sage Publications, Inc.
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- Yin, R.K. 1984. *Case Study Research: Design and Methods*. Beverly Hills, CA: Sage Publications, Inc.