

*EST 603, Research Methods and Design – Handout*

**Supplemental Readings\***

(ENVIRONMENTAL SOCIAL) SCIENCE IN CONTEXT

- Fuller, Steve. 1997. *Science*. Concepts in Social Thought Series. Minneapolis: Univ. of Minnesota Press.
- Gerring, John. 2012. *Social Science Methodology: A Unified Framework*, 2<sup>nd</sup> ed. New York: Cambridge Univ. Press.
- Kuhn, Thomas S. 1996. *The Structure of Scientific Revolutions*, 3rd ed. Chicago: Univ. of Chicago Press.
- Law, John. 2004. *After Method: Mess in Social Science Research*. NY: Routledge.
- Moran, Emilio. 2010. *Environmental Social Science: Human-Environment Interactions and Sustainability*. Malden, MA: John Wiley.
- Shrader-Frechette, K.S., and E.D. McCoy. 1993. *Method in Ecology: Strategies for Conservation*. New York: Cambridge University Press.
- Stern, Paul, and Linda Kalof. 1996. *Evaluating Social Science Research*, 2<sup>nd</sup> ed. New York: Oxford University Press.
- Vaccaro, Ismael, Eric Alden Smith, and Shankar Aswani, eds. 2010. *Environmental Social Sciences: Methods and Research Design*. Cambridge, UK, and New York: Cambridge University Press.

RESEARCH DESIGN

- Alford, Robert R. 1998. *The Craft of Inquiry: Theories, Methods, Evidence*. NY: Oxford Univ Press.
- , and Roger Friedland. 1985. "Theoretical Perspectives as Modes of Inquiry." Ch. 1 in *Powers of Theory: Capitalism, the State, and Democracy*. Cambridge, UK: Cambridge Univ. Press.
- Blaikie, Norman. 2010. *Designing Social Research: The Logic of Anticipation*, 2<sup>nd</sup> ed. Malden, MA: Polity.
- Ragin, Charles C., and Lisa M. Amoroso. 2011. *Constructing Social Research*, 2<sup>nd</sup> ed. Thousand Oaks, CA: Pine Forge Press.

EXPERIMENTAL RESEARCH METHODS

- Shadish, W.R., T.D. Cook, and D.T. Campbell. 2002. *Experimental and Quasi-Experimental Designs for Generalized Causal Inference*. Wadsworth Publishing.

SURVEY RESEARCH METHODS (INCLUDING INTERVIEWS & FOCUS GROUPS)

- Bloor, M., J. Frankland, M. Thomas, and K. Robson. 2001. *Focus Groups in Social Research*. London: Sage.

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- Cartwright, Duncan. 2004. "The Psychoanalytic Research Interview," *Journal of the American Psychoanalytic Association* 52(1): 209-242.
- Dillman, Don A., et al. 2009. *Internet, Mail, and Mixed-Mode Surveys: The Tailored Design Method*, 3<sup>rd</sup> ed. Hoboken, NY: John Wiley.
- Henry, Adam D., and Thomas Dietz. 2012. "Understanding Environmental Cognition," *Organization & Environment* 25(3): 238-258.
- Holloway, Wendy, and Tony Jefferson. 2000. *Doing Qualitative Research Differently: Free Association, Narrative, and the Interview Method*. Thousand Oaks, CA: SAGE.
- Krueger, R.A. 2000. *Focus Groups: A Practical Guide for Applied Research*, 3<sup>rd</sup> ed. Thousand Oaks, CA: Sage.
- Rubin, H.J. 2005. *Qualitative Interviewing: The Art of Hearing Data*, 2<sup>nd</sup> ed. London: Sage.
- Stewart, D.W., P.N. Shamdasani, and D.W. Rook, eds. 2007. *Focus Groups: Theory and Practice*, 2<sup>nd</sup> ed. London: Sage.
- Vaske, Jerry. 2008. *Survey Research and Analysis: Applications in Parks, Recreation and Human Dimensions*. State College, PA: Venture Publishing.

## FIELD RESEARCH METHODS

- Clandinin, D. Jean, and F. Michael Connelly. 2004. *Narrative Inquiry: Experience and Story in Qualitative Research*. San Francisco: Jossey-Bass.
- Emerson, Robert M., et al. 1995. *Writing Ethnographic Fieldnotes*. Chicago: Univ. Chicago Press.
- Fetterman, David M. 1998. *Ethnography: Step by Step*, 2<sup>nd</sup> ed. Thousand Oaks: Sage.
- Goldschmidt, Tijs. 1998. *Darwin's Dreampond: Drama in Lake Victoria*. Tr. Sherry Marx-Macdonald. Cambridge, MA: MIT Press.
- Spindel, Carol. 1989. *In the Shadow of the Sacred Grove*. New York: Vintage/ Random House.

## COMPARATIVE AND HISTORICAL METHODS

- Gerring, John. 2007. *Case Study Research: Principles and Practices*. NY: Cambridge University Press.
- Ragin, Charles C. 1987. *The Comparative Method: Moving Beyond Qualitative and Quantitative Strategies*. Berkeley: UC Press.
- and Howard S. Becker, eds. 1992. *What Is a Case? Exploring the Foundations of Social Inquiry*. NY: Cambridge Univ. Press
- Stake, Robert E. 1995. *The Art of Case Study Research*. Thousand Oaks, CA: Sage.
- Yin, Robert K. 1992. *Case Study Research: Design and Methods*. Thousand Oaks, Calif.: Sage.

## ANALYSIS OF AVAILABLE DATA

Corti, L., A. Witzel, and L. Bishop. 2005. "On the Potentials and Problems of Secondary Analysis," *Forum Qualitative Sozialforschung / Forum: Qualitative Social Research* 6(1), Art. 49. Available: <http://www.qualitative-research.net/fqs-texte/1-05/05-1-49-e.htm>.

Dale, A., S. Arber, and M. Procter. 1988. *Doing Secondary Analysis*. London: Unwin Hyman.

Hakim, C. 1982. *Secondary Analysis in Social Research*. London: Allen & Unwin.

Stewart, D.W., and M.A. Kamins. 1993. *Secondary Research: Information Sources and Methods*. London: Sage.

## SPATIAL ANALYSIS

Chi, Guangqing, and Jun Zhu. 2008. "Spatial Regression Models for Demographic Analysis," *Population Research and Policy Review* 27: 17-42.

Cope, Meghan, and Sarah Elwood, eds. 2009. *Qualitative GIS: A Mixed Methods Approach*. Thousand Oaks: Sage Publications.

(See also: Hodgson and Schroeder, 2002; and Peluso, 1995, below)

## SYSTEMS ANALYSIS APPROACHES

(Please see separate handout)

## MULTIMETHOD RESEARCH

Brewer, John, and Albert Hunter. 2006. *Foundations of Multimethod Research: Synthesizing Styles*. Thousand Oaks, Calif.: Sage.

*Journal of Mixed Methods Research*. Available: <http://mmr.sagepub.com/>

## INTER-, MULTI-, AND TRANSDISCIPLINARY RESEARCH METHODS

Fahy, Frances, and Henrike Rau, eds. 2013. *Methods of Sustainability Research in the Social Sciences*. London: Sage. (forthcoming)

Klein, Julie Thompson. 2004. "Interdisciplinarity and Complexity: An Evolving Relationship," *E:CO* 6 (1-2): 2-10.

Newing, Helen. 2010. *Conducting Research in Conservation: Social Science Methods and Practice*. London and New York: Routledge.

Oberg, Gunilla. 2010. *Interdisciplinary Environmental Studies: A Primer*. Hoboken, NJ: Wiley.

Pohl, Christian. 2000. "Inter- and Transdisciplinary Research Methods". In *Transdisciplinarity: Joint Problem-Solving Among Science, Technology and Society. Workbook I: Dialogue Sessions and Idea Market*, eds. R. Häberli, R. W. Scholz, A. Bill and M. Welti. Zürich: Haffmans Sachbuch Verlag, pp. 18-19.

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- and Gertrude Hirsch Hadorn. 2008. "Methodological Challenges of Transdisciplinary Research," *Natures Sciences Sociétés* 16:111-121.
- Scholz, Roland W., and Olaf Tietje. 2002. *Embedded Case Study Methods: Integrating Quantitative and Qualitative Knowledge*. Thousand Oaks, Calif.: Sage.

## PARTICIPATORY AND OTHER APPLIED RESEARCH METHODS

- Angelsen, Arild, Helle Overgaard Larsen, Jens Friis Lund, Carsten Smith-Hall, and Sven Wunder, eds. 2011. *Measuring Livelihoods and Environmental Dependence: Methods for Research and Fieldwork*. London: Earthscan.
- Ashwill, M., C. B. Flora, and J. L. Flora. 2011. "Building Community Resilience to Climate Change: Testing the Adaptation Coalition Framework in Latin America." Washington, D.C.: World Bank. Available: [http://siteresources.worldbank.org/EXTSOCIALDEVELOPMENT/Resources/244362-1232059926563/5747581-1239131985528/Adaptation-Coalition-Framework-Latin-America\\_web.pdf](http://siteresources.worldbank.org/EXTSOCIALDEVELOPMENT/Resources/244362-1232059926563/5747581-1239131985528/Adaptation-Coalition-Framework-Latin-America_web.pdf).
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- Bamberger, M., J. Rugh, and L. Mabry. 2012. *Real World Evaluation*, 2<sup>nd</sup> ed. London: Sage.
- Clark, Tim W. 2002. *The Policy Process: A Practical Guide for Natural Resource Professionals*. Yale University Press, New Haven
- Estrella, Marisol, ed. 2000. *Learning from Change: Issues and Experiences in Participatory Monitoring and Evaluation*. Ottawa: International Development Research Center (IDRC).
- Hodgson, Dorothy L., and Richard A. Schroeder. 2002. "Dilemmas of counter-mapping community resources in Tanzania," *Development and Change* 33(1): 79-100. Available: <http://onlinelibrary.wiley.com/doi/10.1111/1467-7660.00241/abstract>.
- Kasemir, Bernd, Jill Jäger, Carlo C. Jaeger, and Matthew T. Gardner. 2003. *Public Participation in Sustainability Science: A Handbook*. New York: Cambridge University Press.
- Peluso, Nancy. 1995. "Whose woods are these? Counter-mapping forest territories in Kalimantan, Indonesia," *Antipode* 27(4): 383-486. Available: <http://onlinelibrary.wiley.com/doi/10.1111/j.1467-8330.1995.tb00286.x/abstract>
- Russell, Diane, and Camilla Harshbarger. 2003. *Groundwork for Community-based Conservation: Strategies for Social Research*. Lanham, MD: AltaMira Press.
- Stimson, G.V., et al. 2003. *Rapid Assessment and Response Technical Guide, Version 1.0*. Geneva: World Health Organization. June. Available: <http://www.who.int/docstore/hiv/Core/Index.html>.
- Stoecker, Randy. 2005. *Research Methods for Community Change: A Project-Based Approach*. Thousand Oaks: Sage.
- Wilmsen, Carl, et al. 2008. *Partnerships for Empowerment: Participatory Research for Community-Based Natural Resource Management*. Sterling, VA: Earthscan.