

Readings for *The logic of social inquiry*

August 23: Causality and micro-foundations

- Hedström, P. 2005. *Dissecting the Social: On the Principles of Analytical Sociology*. Cambridge: Cambridge University Press.
- Hedström, P. and P. Ylikoski. 2010. "Causal mechanisms in the social sciences". *Annual Review of Sociology* 36: 49–67.
- Schelling, T. C. 1978. *Micromotives and Macrobehavior*. New York: W.W. Norton.
- Coleman, J. S. 1986. "Social theory, social research, and a theory of action." *American Journal of Sociology* 91:1309-1335.

August 24: Experiments (Mark Kueschnigg)

- Shadish, W., T. Cook, D. Campbell. 2002. *Experimental and Quasiexperimental Designs for Generalized Causal Inference*. Boston: Houghton Mifflin. Chapter 1.
- Webster, M., J. Sell (eds.). 2007. *Laboratory Experiments in the Social Sciences*. Burlington: Academic Press. Chapters 1 and 2.
- Jackson, M., D. Cox. 2013. "The Principles of Experimental Design and Their Application in Sociology." *Annual Review of Sociology* 39:27-49.
- Baldassarri, D., M. Abascal. 2017. "Field Experiments Across the Social Sciences." *Annual Review of Sociology* 43:41-73.
- Fehr, E., S. Gächter. 2000. "Cooperation and Punishment in Public Goods Experiments." *American Economic Review* 90:980-994.
- Keizer, K., S. Lindenberg, L. Steg. 2008. "The Spreading of Disorder." *Science* 322:1681-1685
- Salganik, M., D. Watts. 2009. "Web-Based Experiments for the Study of Collective Social Dynamics in Cultural Markets." *Topics in Cognitive Science* 1:439-468.
- Van de Rijt, A., S. Kang, M. Restivo, A. Patil. 2014. "Field Experiments of Success-Breeds-Success Dynamics." *PNAS* 111:6934-6939.

August 30: Case studies (Petri Ylikoski)

- Collier, David. 2011. "Understanding Process Tracing." *PS: Political Science & Politics* 44(04): 823–30.
- Vaughan, D. 2004. "Theorizing Disaster: Analogy, Historical Ethnography, and the Challenger Accident." *Ethnography* 5(3): 315–47.

- Espeland, Wendy N. and Michael Sauder. 2007. "Rankings and Reactivity: How Public Measures Recreate Social Worlds." *American Journal of Sociology* 113(1):1–40.

September 5: Mathematical and simulation modeling

- Epstein, J.M. 1999. "Agent-Based Computational Models And Generative Social Science." *Complexity* Available at <http://vermontcomplexsystems.org/share/papershredder/epstein-complexity-1999.pdf>
- Becker, G.S. 1992. "The economic way of looking at life." Available at http://nobelprize.org/nobel_prizes/economics/laureates/1992/becker-lecture.pdf.
- Friedman, M. 1953. "The methodology of positive economics." Pp. 3-46 in M. Friedman *Essays in Positive Economics*. Chicago: Chicago University Press.
- Bruch, E., & Mare, R. 2009. "Segregation processes." In P. Hedström & P. Bearman (Eds.), *The Oxford Handbook of Analytical Sociology* (pp. 269–293). Oxford: Oxford University Press.
- Watts, D. J. 2014. "Common sense and sociological explanations." *American Journal of Sociology*, 120(2), 313–351.
- Bearman, P., Moody, J., & Stovel, K. 2004. "Chains of affection: the structure of adolescent romantic and sexual networks." *American Journal of Sociology*, 110(1), 44–91.
- Leon-Medina, F.J. 2017. "Analytical Sociology and Agent-Based Modeling: Is Generative Sufficiency Sufficient?" *Sociological Theory*. Available at <http://journals.sagepub.com/doi/pdf/10.1177/0735275117725766>

September 10: Survey-based work

- Brückner, H. 2009. "Surveys". Pp. 666-87 in P. Hedström and P. Bearman (eds.) *The Oxford Handbook of Analytical Sociology*. Oxford University Press.
- Firebaugh, G. and M.B. Schroeder. 2009. "Does your neighbor's income affect your happiness?" *American Journal of Sociology*. 115(3): 805-31.
- Coleman, J. S. 1986. "Social theory, social research, and a theory of action." *American Journal of Sociology* 91:1309-1335.
- Sørensen, A. (1998). "Theoretical mechanisms and the empirical study of social processes." In P. Hedström & R. Swedberg (Eds.), *Social Mechanisms: An Analytical Approach to Social Theory* (pp. 238–266). Cambridge: Cambridge University Press.

September 14: Computational social science

- Lazer, D., Pentland, A., Adamic, L., Aral, S., Barabási, A.-L., Brewer, D., et al. 2009. "Computational social science." *Science*, 323(5915), 721–723.
- Watts, D. J. 2013. "Computational social science: exciting progress and future directions." *The Bridge: Linking Engineering and Society*, 43(4), 5–10.
- Anderson, C. 2008. "The end of theory: the data deluge makes the scientific method obsolete." *Wired Magazine*.
https://archive.wired.com/science/discoveries/magazine/16-07/pb_theory.
- Stumpf, M. P. H., & Porter, M. A. 2012. "Critical truths about power laws." *Science*, 335(6069), 665–666.
- Keuschnigg, M. et al. 2017. "Analytical sociology and computational social science" *Journal of Computational Social Science*. Available at <https://link.springer.com/content/pdf/10.1007%2Fs42001-017-0006-5.pdf>
- Mützel, S. 2015. "Facing big data: Making sociology relevant." *Big Data & Society*, 2(2), 1–4.

September 17 in the morning: Guest lecture on text analysis (Måns Magnusson).

Read "Probabilistic topic models" by David Blei first, it introduces the topic in a good way.

- Blei, David M. "Probabilistic topic models." *Communications of the ACM* 55.4 (2012): 77-84.
<http://www.cs.columbia.edu/~blei/papers/Blei2012.pdf>
- DiMaggio, Paul, Manish Nag, and David Blei. "Exploiting affinities between topic modeling and the sociological perspective on culture: Application to newspaper coverage of US government arts funding." *Poetics* 41.6 (2013): 570-606
- Magnusson, Måns, et al. "Voices from the Far Right: A Text Analysis of Swedish Parliamentary Debates." SocArXiv, 4 Apr. 2018. Web.

September 17 in the afternoon: Summing it all up

- No readings