

CORRELATION & CAUSALITY

ETHAN LIGON

- Ragnar Frisch. 2011. *A dynamic approach to economic theory: lectures by Ragnar Frisch at Yale University*. Edited by Olav Bjerkholt and Duo Qin. Lectures given by Frisch at Yale in 1930. Routledge. Highly insightful and only recently published lectures Frisch gave at Yale in 1930.
- Trygve Haavelmo. 1943. The statistical implications of a system of simultaneous equations. *Econometrica, Journal of the Econometric Society*: 1–12. A founding document of the structural (Cowles) approach to economics.
- Trygve Haavelmo. 1944. The probability approach in econometrics. *Econometrica* 12 (Supplement): 1–118. Classic statement regarding the “probability approach” to economics.
- Arthur S. Goldberger. 1972. Structural equation methods in the social sciences. *Econometrica* 40 (6): 979–1001. Insightful, historically informed reflections on identification of structural models in economics.
- Judea Pearl. 2015. Trygve Haavelmo and the emergence of causal calculus. *Econometric Theory* 31 (1): 152–179; James Heckman and Rodrigo Pinto. 2015. Causal analysis after Haavelmo. *Econometric Theory* 31 (1): 115–151; Judea Pearl. 2013. Reflections on Heckman and Pinto’s “causal analysis after haavelmo”. Unpublished working paper. <https://escholarship.org/content/qt5b27h1nm/qt5b27h1nm.pdf>. Back and forth between Pearl & Heckman/Pinto. They agree on one thing: Frisch & Haavelmo were right.
- Judea Pearl. 2009. *Causality*. Models, Reasoning, and Inference. Second. New York: Cambridge University Press. Pearl’s textbook on causality.
- Milton Friedman. 1953. The methodology of positive economics. In *Essays on positive economics*, 3–43. Chicago: University of Chicago Press. Classic essay on the usefulness of “falsifying” economic models and the role of assumptions.

- Stanford Encyclopedia of Philosophy, “The Problem of Induction”
- Hume, An enquiry concerning human understanding
- Sewell Wright <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1200501/pdf/111.pdf>
- Guido W Imbens and Donald B Rubin. 2015. *Causal inference in statistics, social, and biomedical sciences*. Cambridge University Press. Up-to-date statement and discussion of the Neyman-Rubin potential outcomes model, with focus on the assignment model.
- James J Heckman. 2010. Building bridges between structural and program evaluation approaches to evaluating policy. *Journal of Economic literature* 48 (2): 356–98. Contemporary survey comparing “reduced form” and “structural” approaches to causal inference.
- James J. Heckman. 1997. Instrumental variables: a study of implicit behavioral assumptions used in making program evaluations. *The Journal of Human Resources* 32 (3): 441–462. <http://www.jstor.org/stable/146178>. Critique of potential outcome approach in program evaluation.