PHILOSOPHY OF SCIENCE CORE LIST

Books


Papers and Short Excerpts (C&C= Curd and Cover anthology: P=Papineau anthology: K=Klee anthology: B=Boyd, Gasper & Trout anthology))

Methodology and epistemology of science

- Popper, K.R. “Science, Conjectures and Refutations”, [C&C]
- Popper, K.R. The Logic of Scientific Discovery (selections), [B]
- Kuhn, “Logic of Discovery or Psychology of Research?” [C&C]
- Lakatos, “Science and Pseudoscience” [C&C]
- Feyerabend, P. “How to be a Good Empiricist”, [C&C]
- Salmon, “Tom Kuhn Meets Tom Bayes” [C&C], [P]
- Glymour, C. “Why I am not a Bayesian” [C&C], [P]
- Horwich, P. “Wittgensteinian Bayesianism”, [C&C]
- David Bloor, “The Strong Programme in the Sociology of Science”[K]
- Sandra Harding, “Feminist Science Criticism” [K]

Theory and Observation

- Suppe, F. “The Positivist Model of Scientific Theories”, [K]

Realism/Anti-realism

- Worrall, J. “Structural Realism: the Best of Both Worlds?”, [P]
Explanation and Reduction

- Hempel, Carl, “Two Basic Types of Scientific Explanation”, [C&C]
- Hempel, Carl “The Thesis of Structural Identity”, [C&C]
- Cartwright, N. “The Reality of Causes in a World of Instrumental Laws”, [B]