

Philosophy 382 – Winter, 2003
Elliott Sober

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2		E. Sober, "An Introduction to Bayesian Epistemology," handout available at http://philosophy.wisc.edu/sober . E. Sober, "Quine's Two Dogmas," <i>Proceedings of the Aristotelian Society</i> , 2000, Supplementary Volume 74: 237-280.
3	Criteria of testability/meaning/demarcation	C. Hempel, "Empiricist Criteria of Cognitive Significance -- Problems and Changes." In <i>Aspects of Scientific Explanation and Other Essays</i> . Free Press, 1965, 101-122. L. Laudan, "The Demise of the Demarcation Problem," In R.S. Cohen and L. Laudan (eds.), <i>Physics, Philosophy, and Psychoanalysis</i> . Dordrecht: Reidel, 1983, pp. 111-127. B. Skyrms, <i>Pragmatics and Empiricism</i> . Yale University Press, Ch 1. E. Sober, "Testability," <i>Proceedings and Addresses of the APA</i> , 1999, 73: 47-76. Available at http://philosophy.wisc.edu/sober .
4	The Indispensability of Mathematics	P. Maddy (1992): "Indispensability and Practice." <i>J. Phil.</i> 89: 275-89. E. Sober, "Mathematics and Indispensability," <i>Phil. Rev.</i> , 1993, 102: 35-58. Mark Colyvan, <i>The Indispensability of Mathematics</i> , Oxford, 2001, chs. 5-6.
5-7	Constructive Empiricism	B. Van Fraassen, <i>The Scientific Image</i> , Oxford UP, 1980, pp. 1-96; P. Churchland and C. Hooker (eds.), <i>Images of Science</i> , U of Chicago Press.
8	Contrastive Empiricism and Observation	E. Sober, "Contrastive Empiricism," In <i>From a Biological Point of View</i> , Cambridge University Press, 1994, and E. Sober "Epistemology for Empiricists." In H. Wettstein (ed.), <i>Midwest Studies in Philosophy: Philosophy of Science</i> , vol. 18, University of Notre Dame Press, 1993, pp. 39-61. Fred Dretske, <i>Seeing and Knowing</i> , U of Chicago Pr, 1967, pp 78-93.
9	The "super-empirical virtues"	R. Nozick, "Simplicity as Fall Out," in <i>Socratic Puzzles</i> , Harvard UP, 1997, pp.182-90. H. Reichenbach, "Two Kinds of Simplicity," In <i>Experience and Prediction</i> , U of Chicago Press, 1938, pp. 373-86; Harold Jeffreys, <i>Scientific Inference</i> , Cambridge UP, 3 rd edition, selection.. K. Popper, "Simplicity," ch 7 in <i>Logic of Scientific Discovery</i> , Hutchinson, 1959. C. Howson, "On the Consistency of Jeffreys' Simplicity Postulate and its Role in Bayesian Inference." <i>Phil. Quart.</i> , 1988, 38: 68-83; E. Sober, "Let's Razor Ockham's Razor" in <i>From a Biological Point of View</i> , Cambridge UP, 1994. E. Sober, "Parsimony," available on my web site.
10	Model Selection, parsimony, instrumentalism	M. Forster and E. Sober, "How to Tell When Simpler, More Unified, or Less <i>Ad Hoc</i> Theories Will Provide More Accurate Predictions." <i>British Journal for the Philosophy of Science</i> 1994, 45: 1-36. Available at http://philosophy.wisc.edu/forster . Kyle Sanford, "Instrumentalism," in S. Sarkar (ed.), <i>Encyclopedia of Philosophy of Science</i> , Routledge, forthcoming. E. Sober, "Instrumentalism, Parsimony, and the Akaike Framework," <i>Phil. of Science</i> 2002, 69: S112-S123 (available at Sober's web site).