

## Philosophy Prelim Syllabus

### Topics in Probability and Statistics

Here's a link to a zip file containing most of the papers:

[http://math.berkeley.edu/~slingamn/prelim\\_papers.zip](http://math.berkeley.edu/~slingamn/prelim_papers.zip)

0. Background: "Probability Primer," in *Philosophy of Probability*, Antony Eagle ed., Routledge, 2011, 1-24.

#### I. Foundations

Ramsey, F. "Truth and probability." (Skyrms and Diaconis include two subsequent papers, "Further Considerations" and "Probability and Partial Belief")

Hájek, A. "The reference class problem is your problem too."

Lewis, D. "Humean supervenience debugged."

Hájek, A. "Arguments for – Or Against – Probabilism?", in Franz Huber, Christoph Schmidt-Petri eds., *Degrees of Belief*. Springer, 2009, 229-251.

#### II. Statistics and the philosophy of science

de Finetti, B. "Bayesianism: Its Unifying Role for Both the Foundations and Applications of Statistics."

de Finetti, B. "Probabilism: A Critical Essay on the Theory of Probability and on the Value of Science."

Savage, L. "Implications of personal probability for induction."

Howson, C., and P. Urbach, "Bayesian vs. Non-Bayesian

Kass, R. "Statistical inference: the big picture."

Senn, S. "You may believe you are a Bayesian but you are probably wrong."

#### III: Randomness, computation, and information theory

Church, A. "On the concept of random sequence."

Martin-Lof, P. "The definition of random sequences."

Jaynes, E. T. "Some random observations." *Synthese* 63, 1985.