# Philosophy 521

## Seminar: Problem of Induction

**W 3:30 – 6:30 PM**  
402 Gregory Hall

<table>
<thead>
<tr>
<th>Date</th>
<th>Readings</th>
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White (1986) “Normative Ethics …”  
Quine (1986) “Reply to Morton White”  
Kim (1988) “What is …”  
Quine (1990) *Pursuit of Truth*  
Stich (1993) “Naturalizing …”  
Johnsen (2005) “How to Read …”  
| W, January 29    | Hume (1748) *Enquiry* §§ 3-5  
Russell (1912) *The Problems* …  
Broad (1926) *The Philosophy of Francis* …  
Kyburg (1956) “The Justification of …”  
Salmon (1957) “Should we attempt …”  
Black (1967) “The Justification …”  
Skyrms (1966) *Choice & Chance*  
Salmon (1967) *The Foundations of* …  
Kutscher (1973) “Induction and the …”  
Zabeh (1976) “Hume’s Problem of …”  
Loeb (2008) “Inductive Inference …”  
Steel (2010) “What if the …”  
Lange (2011) “Hume and the …”  
Qu (2014) “Hume’s Positive Argument …”  
Huber (2017) “On the Justification …” |
Hume (1748) *Enquiry* § 6 and § 10
Bayes (1763) “An Essay Towards Solving …”

Tanner & Livengood (ms) “How Good …”
Gillies (1987) “Was Bayes a Bayesian?”
Dawid & Gillies (1989) “A Bayesian …”
Earman (1990) “Bayes’ Bayesianism”
Earman (1992) *Bayes or Bust*
Millican (1993) “Hume’s Theorem …”
Earman (2000) *Hume’s Abject Failure*
Millican (2013) “Earman on Hume …”

Hájek & Hall (2002) “Induction and …”
Romeijn (2011a) “Inductive Logic …”
Romeijn (2011b) “Statistics as …”

Price (1768) *Four Dissertations*
Todhunter (1865) *History of … Probability*
Pearson (1978) *The History of Statistics …*
Dale (1986) “A Newly-discovered …”
Stigler (1986) *The History of Statistics*
Dale (1999) *History of Inverse Probability*
Dale (2003) *Most Honourable*
W, February 12  

Hume (1748) *Enquiry* § 7

Livengood & Korman (ms) “Debunking …”  
Robinson (1962) “Hume’s Two Definitions”  
Blackburn (1990) “Hume and Thick …”  
Rogers (1991) “Hume on Necessary …”  
Stroud (1993) “‘Guilding’ and ‘Staining’ …”  
Millican (1998) “Hume on Reason and …”  
Kail (2001) “Projection and Necessity in …”  
Kail (2003) “Review Article …”  
Beebee (2006) *Hume on Causation*  
Beebee (2007) “Projectivist …”  
Millican (2007) “Humes Old and …”  
Beebee (2016) “Hume and the Problem …”

W, February 19  

Kant (1783) *Prolegomena*

Kant (1781/1787) *Critique of Pure Reason*  
Watson (1876) “Kant’s Reply to Hume”  
Lovejoy (1906) “On Kant’s Reply …”  
Feigl (1964) “What Hume Might …”  
Murphy (1974) “Kant’s Second …”  
Dauer (1975) “Copernican Hume”  
Smith (1977) “Kant and the General …”  
Beck (1978) “A Prussian Hume and …”  
Beck (1981) “Kant on the Uniformity …”  
Kuehn (1983) “Kant’s Conception …”  
Ward (1986) “On Kant’s Second …”  
Friedman (1991) “Regulative and …”  
Friedman (1992) “Causal Laws and …”  
Allison (1994) “Causality and Causal …”  
Butts (1994) “Induction as Unification”  
Guyer (2003) “Kant’s Answer to Hume”  
Gomes (2017) “Nonconceptualism …”  
de Boer (2019) “Kant’s Response …”
Forster (2011) “The Debate Between …”
Strong (1955) “William Whewell and …”
Walsh (1962) “Whewell and Mill on …”
Laudan (1971) “William Whewell on …”
Hesse (1971) “Whewell’s Consilience …”
Fisch (1985) “Whewell’s Consilience …”
Good (1987) “John Herschel’s …”
Snyder (1994) “It’s All Necessarily So”
Snyder (1997) “Discoverers’ Induction”
Morrison (1997) “Whewell on the …”

Kepler (1609) *Astronomia Nova*
Bacon (1620) *Novum Organum*
Newton (1687) *Principia*
Herschel (1831) *A Preliminary Discourse …*
Whewell (1847) *Philosophy of the …*

Farebrother (1998) *Fitting Linear Relationships*
Spanos (2007) “Curve Fitting, …”
Livengood (ms) “On Goodness of Fit”
Quine (1970) “Natural Kinds”
Peirce (1878) “Deduction, Induction, …”
Harman (1965) “Inference to the …”
Feynman (1965) “Seeking New Laws”

Ruse (1975) “Darwin’s Debt”
Hodge (1992) “Darwin’s Argument …”


Freedman (1991) “Shoe Leather …”
Norton (2016a) “IBE: General Account”
Norton (2016b) “IBE: Examples”

Maxwell (1855) “On Faraday’s …”
Maxwell (1861) “On Physical Lines …”
Maxwell (1864) “A Dynamical Theory …”
Turner (1955) “Maxwell on the …”
W, March 11

Peirce 1878 “Probability of Induction”
Peirce 1883 “Theory of Probable Inference”
Peirce 1892 “The Doctrine of Necessity”
Peirce 1901 “On the Logic of … History”

Edwards & Livengood (ms) “On the …”

De Morgan (1847) *Formal Logic*
Boole (1854) *The Laws of Thought*
Venn (1866) *The Logic of Chance*
Jevons (1874) *The Principles of Science*
Feigl (1934) “The Logical …”
Reichenbach (1936) “Induction and …”
Creed (1940) “The Justification of the Habit …”
Reichenbach (1940) “On the Justification ..”
Williams (1947) *The Ground of Induction*
Black (1947) Review of Williams
Reichenbach (1949) “A Conversation …”
Reichenbach (1949) *The Theory of Probability*

Quine (1933) Review: *Collected Papers ... II*
Quine (1934) Review: *Collected Papers ... III*
Quine (1935) Review: *Collected Papers ... IV*

Laudan (1973) “Induction and …”
Levi (1980) “Induction as Self …”
Laudan (1981) “Peirce and the …”
Mayo (2005) “Peircean Induction and …”
Jantzen (2009) “Peirce on the …”
Eberhardt & Glymour (2011) “Hans …”

Hald (2004) *History of ... Inference, Part 2*

W, March 18

Spring Break! No Class!
W, March 25

Keynes (1921) *A Treatise on Probability*
Ramsey (1926) “Truth and Probability”

De Morgan (1838) *An Essay on Probabilities* ...
Edgeworth (1884) “Philosophy of Chance”
Bertrand (1889) *Calcul des Probabilités*
Edgeworth (1908) “On the Probable …”
Edgeworth (1909) “Addendum on …”
Borel (1909) *Eléments de la Théorie* ...
Poincare (1912) *Calcul des Probabilités*
Broad (1918) “On the Relation … Part 1”
Broad (1920) “On the Relation … Part 2”
Johnson (1932) “Probability”


W, April 1

De Finetti (1937 [1966]) “Foresight”
Jeffreys (1939) *Theory of Probability*

W, April 8

Fisher (1922) “On the Mathematical …”
Neyman and Pearson (1928a) “On the use and … Part I.”
Neyman and Pearson (1928b) “On the use and … Part II.”

Fisher (1930) “Inverse Probability”
Fisher (1935) “The Logic of Inductive Inference”
Fisher (1935) *The Design of Experiments*
Neyman (1923) “On the Application of …”
Neyman (1955) “The Problem of Inductive …”
Neyman (1957) “‘Inductive Behavior’ as …”

Pearson (1892) *The Grammar of Science*
Peirce (1892) Review of Pearson
Pearson (1900) *The Grammar of Science, 2nd Ed.*
Peirce (1901) Review of Pearson
Student [Gossett] (1908a) “The Probable …”
Student [Gossett] (1908a) “The Probable …”

Zabell (2008) “On Student’s 1908 Article …”
Lehmann (2011) *Fisher, Neyman, and …*
W, April 15
Simon (1952) “Causal Ordering and Identifiability”
Yule (1897) “On the Theory of Correlation”
Yule (1899) “An Investigation into the Causes …”
Russell (1912) “On the Notion of Cause”
Wright (1921) “Systems of Mating”
Ducasse (1926) “On the Nature of the …”
Braithwaite (1927) “The Idea of …”
Ramsey (1928) “Law and Causality”
Wright (1934) “The Method of Path …”
Russell (1948) *Human Knowledge* ...
Simon (1952) “On the Definition …”
Simon (1954) “Spurious Correlation”
Reichenbach (1956) *The Direction of Time*
Wright (1960) “Path Coefficients and Path …”
Simon & Rescher (1966) “Cause and …”

W, April 22
Wald (1950) *Statistical Decision Functions*
Savage (1954) *The Foundations of Statistics*
Simon (1945) “Statistical Tests as a …”
Savage (1962) *The Foundations of Statistical …*

W, April 29
Carnap (1950) *Logical Foundations of Probability*
Carnap (1952) *The Continuum of Inductive Methods*
Blackwell & Dubins (1962) “Merging of …”
Putnam (1967) “Probability and Confirmation”
Quine (1960) *Word and Object*
Creath (1998) “Quine and the Limit …”
Kolmogorov (1933) *Foundations*
Simon (1955) “Prediction and Hindsight …”

W, May 6
1966 & 1968 Induction Special Issues
Putnam (1965) “Trial and Error Predicates”
Broad (1968) “The Relation …”