

Alexander Meehan

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Areas of Interest

AOS: Philosophy of Physics, Epistemology, Philosophy of Probability, Philosophy of Science

AOC: Biomedical Ethics, Logic, Metaphysics

Employment

YALE UNIVERSITY Fall 2021 -
Postdoctoral Associate and Lecturer, Department of Philosophy

PRINCETON UNIVERSITY Spring 2021
Postgraduate Research Associate and Lecturer, Department of Philosophy

Education

PRINCETON UNIVERSITY 2015 - 2021
PhD in Philosophy
Dissertation: *On the Epistemology of Physical Probability*
Advisors: Hans Halvorson and Adam Elga

BROWN UNIVERSITY 2011 - 2015
BSc in Mathematical Physics (honors)

Publications

Kolmogorov Conditionalizers Can Be Dutch Booked (w/ Snow Zhang)
The Review of Symbolic Logic. 15 (3): 722-757 (2022).

States of Ignorance and Ignorance of States: Examining the Quantum Principal Principle
Studies in History and Philosophy of Science. 90: 160-167 (2021).

You Say You Want a Revolution: Two Notions of Probabilistic Independence
Philosophical Studies. 178 (10): 3319-3351 (2021).

The Borel-Kolmogorov Paradox Is Your Paradox Too (w/ Snow Zhang)
Philosophy of Science. 88 (5): 971-984 (2021).

Clarifying the New Problem for Quantum Mechanics: Reply to Vaidman
Foundations of Physics. 51 (1): 1-6 (2021).

A New Problem for Quantum Mechanics
The British Journal for the Philosophy of Science (forthcoming).

Jeffrey Meets Kolmogorov: A General Theory of Conditioning (w/ Snow Zhang)
Journal of Philosophical Logic. 49 (5): 941-979 (2020).

Selected Works in Progress

Hybrid Deference, Hybrid Chance

Paper on Bayesianism and accuracy; title redacted for review (w/ Snow Zhang)

Paper on quantum updating and accuracy; title redacted for review (w/ Jer Steeger)

Selected Presentations

Harvard Foundations of Physics Seminar, Aug 2022,

“Bayesian Epistemology in a Quantum World”.

Bayesian Reasoning and Learning Workshop, Ruhr Univ. Bochum (remote), July 2022,

“Bayesianism Redux” w/ Snow Zhang.

ELLMM City Working Group, Yale University, Jan 2022,

“A Framework for Non-Fundamental Chance”.

Foundations of Probability Seminar, Rutgers University, Nov 2021,

“A Framework for Non-Fundamental Chance”.

Philosophy of Science Association (PSA) 27th Biennial Meeting, Baltimore, Nov 2021,

“The Borel-Kolmogorov Paradox Is Your Paradox Too” w/ Snow Zhang;

“Examining the Quantum Principal Principle” (poster).

Eastern APA Symposium (virtual), Jan 2021,

“Do We Need a Revolution? Two Notions of Probabilistic Independence”.

Bayesian Epistemology: Perspectives and Challenges, MCMP Munich (remote), Aug 2020,

“Kolmogorov Conditionalizers Can Be Dutch Booked”.

Formal Epistemology Workshop, University of California, Irvine (remote), May 2020,

“Kolmogorov Conditionalizers Can Be Dutch Booked” w/ Snow Zhang.

Early Career Workshop: Philosophy of Physics, May 2019, City College of New York,

“A New Problem for Quantum Mechanics”.

21st Annual Rocky Mountain Philosophy Conference, University of Colorado, Boulder, March 2019,

“Knowing the Chances”.

20th Annual Pitt-CMU Graduate Student Philosophy Conference, CMU, Pittsburgh, March 2019,

“Knowing the Chances”.

17th Philosophy of Logic, Mathematics, & Physics Graduate Conference, Western U., June 2017,

“Physics and the Art of Reformulation: On Two Versions of Special Relativity”.

Comments and Panels

Foundations of Probability Seminar, Rutgers University, Invited Panelist for “Objective Probability at Different Levels of Knowledge”, Feb 2022.

Central APA Symposium, Chicago, Commentator for “Chance, Credence, Correlation”, Feb 2020.

Philosophy of Probability Workshop, University of Washington, Invited Discussant, April 2018.

Eastern APA Colloquium, Savannah, Commentator for “Subgroup Not Subset: On Comparing Space-time Structure”, Jan 2018.

Teaching and Advising

Instructor of Record

First-Order Logic (PHIL 115), Yale University	Fall 2022
Philosophy of Quantum Mechanics (PHIL 420/PHIL 620), [†] Yale University	Spring 2022
First-Order Logic (PHIL 115), Yale University	Fall 2021
Biomedical Ethics (PHI 277), Princeton University	Spring 2021
Phil. Foundations of Prob. and Decision Theory (PHI 371), [‡] Princeton University	Spring 2019

[†]Hybrid graduate and undergraduate course [‡]Co-taught with Adam Elga

Advising

Senior Paper, “Retrocausality, the PSR, and Determinism”, Yale University	Spring 2022
Senior Paper, “Implications of Quantum Branching in Normative Ethics”, Yale Univ.	Spring 2022
Junior Paper, “Reconsidering Dawid’s Non-Empirical Confirmation”, Princeton Univ.	Spring 2021

Assistant in Instruction

Philosophy of Physics (PHI 327),* Hans Halvorson, Princeton University	Spring 2020
Theory of Knowledge (PHI 313), Adam Elga, Princeton University	Fall 2017
Biomedical Ethics (PHI 277), Hrishikesh Joshi, Princeton University	Spring 2017
Intermediate Logic (PHI 312), Hans Halvorson, Princeton University	Fall 2016
Time (PHIL 1670),* Nina Emery, Brown University	Fall 2014

*Co-designed the course

Guest Lectures

Advanced Logic (PHIL 4515), Branden Fitelson, Northeastern University	Spring 2020
Introduction to Logic (PHIL 1115), Branden Fitelson, Northeastern University	Spring 2020
Philosophy of Physics (PHI 327), Hans Halvorson, Princeton University	Spring 2020
Theory of Knowledge (PHI 313), Adam Elga, Princeton University	Fall 2017
Time (PHIL 1670), Nina Emery, Brown University	Fall 2014

Teaching Outreach

Tutor, PIKSI Logic 2022 (prev. 2020), Northeastern University	Summer 2022
Teacher and Coordinator, New Scientist-Catalyst Program, Brown University	Summer 2015
Teacher and Lead Coordinator, Brown Science Prep, Brown University	2013-2015

Honors and Awards

Dean's Completion Fellowship, Princeton University, 2020.
IvyPlus Exchange Scholar, MIT Department of Linguistics and Philosophy, Fall 2019 - Spring 2020.
Collaborative Teaching Initiative in the Humanities, proposal selected for *Philosophical Foundations of Probability and Decision Theory*, Princeton University, 2018.
Magna Cum Laude (highest rank), Brown University, 2015.
Curt John Ducasse Premium in Metaphysics, Brown University, 2014.
Undergraduate Teaching and Research Award, for design of *Time* (PHIL 1670), Brown Univ., 2014.

Service

Refereeing

for *Mind*, *British Journal for the Philosophy of Science*, *Cambridge University Press*, *Philosophical Quarterly*, *Thought*, *Theory and Decision*, *Synthese*, *Philosophy of Science*, *European Journal for Philosophy of Science*, *Reality and Measurement in Algebraic Quantum Theory* (collection).

Workshop Organizing

Princeton Workshop in Social Philosophy, Princeton University, 2018.
Implicit Biases, Stereotype Threat and Pedagogy, Princeton University, 2016.
Diversifying the Canon, Princeton University, 2016.

Other Service

Tutor, PIKSI-Logic 2022, Northeastern University.
Co-organizer (2018 - 2019), Career Development Committee, Princeton University, Philosophy.
Co-organizer (2015 - 2018), Minorities and Philosophy (MAP), Princeton University Chapter.

References

Hans Halvorson
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James Joyce
University of Michigan
jjoyce@umich.edu

Adam Elga
Princeton University
adame@princeton.edu

Daniel Greco
Yale University
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Laura Ruetsche
University of Michigan
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Jack Spencer
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Zoltán Szabó (teaching ref.)
Yale University
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