Conor Mayo-Wilson

CURRENT POSITION

POSITION:	Associate Professor	University of Washington
ADDRESS:	Department of Philosophy	Savery Hall 361	Seattle, WA 98195
PHONE:	+1 (206) 543-6496
EMAIL:	conormw@uw.edu
WEBSITE:	http://faculty.washington.edu/conormw/

PREVIOUS EMPLOYMENT

2020-Present	Associate Professor, University of Washington
2014-2019	Assistant Professor, University of Washington
2013-2014	Assistant Professor, Munich Center for Mathematical Philosophy
2012-2013	Postdoctoral Researcher, Carnegie Mellon University

RESEARCH AREAS

SPECIALIZATIONS	Epistemology (esp. formal and social), Philosophy of Science, Decision Theory, Philosophy of Statistics
AREAS OF COMPETENCE	Philosophy of Mathematics, Logic

EDUCATION

2012   Ph.D. in Philosophy, Carnegie Mellon University
DISSERTATION TITLE: *Combining Causal Theories and Dividing Scientific Labor*
PRIMARY ADVISOR: David Danks
COMMITTEE: Clark Glymour, Kevin Kelly, Michael Strevens (NYU), and Kevin Zollman

2009   M.S. in MATHEMATICS, Carnegie Mellon University
2009   M.S. in LOGIC AND COMPUTATION, Carnegie Mellon University
2006   B.S. in MATHEMATICS, Stanford University
2006   B.A. with Honors in PHILOSOPHY, Stanford University
THESIS: *Cauchy's Philosophy of the Infinite and The Development of the Definite Integral*
COMMITTEE: Michael Friedman and Thomas Ryckman (Advisors) and Solomon Feferman (Reader)

PUBLICATIONS

Journal Articles

[J1] "Measured Inference." Forthcoming in *Philosophy of Science*.

[J2] Conor Mayo-Wilson and Aditya Saraf. "Robust Bayesianism and the Likelihoodsim." Conditionally Accepted at *Statistical Science*.

[J3] Arthur Paul Pedersen, David Kellen, Conor Mayo-Wilson, et. al. "Discourse on Measurement." *Proceedings of the National Academy of Sciences*. January, 2025. Vol. 22. Issue 5. https://www.pnas.org/doi/10.1073/pnas.2401229121.

[J4] "Bamboozled by Bonferroni." *Philosophy of Science*. 2024. Vol. 91. Issue 5. pp. 1498-1508.

[J5] Konstantin Genin and Conor Mayo-Wilson. "Success Concepts in Causal Discovery." *Behaviormetrika*. 2024. Vol. 51, pp. 515–538.

[J6] "Evidence in Classical Statistics" (with Sam Fletcher). In *The Routledge Handbook for the Philosophy of Evidence*. 2023. Eds. Maria Lasonen-Aarnio and Clayton Littlejohn. pp. 515-527.

[J7] Conor Mayo-Wilson and Kevin Zollman. "The Computational Philosophy." *Synthese*. 2021. Volume 199. pp. 3647–3673.

[J8] Konstantin Genin and Conor Mayo-Wilson. "Statistical decidability in linear, non-Gaussian models." *NeurIPS 2020: Workshop on Causal Discovery and Causality-Inspired Machine Learning.*

[J9] "Causal Identifiability and Piecemeal Experimentation." *Synthese*. Vol. 196. 2019. pp. 3029-3065.

[J10] "Epistemic Closure in Science." *Philosophical Review*. Vol. 127. Issue 1. January 2018. pp. 73-114.

[J11] Conor Mayo-Wilson and Gregory Wheeler. "Scoring Imprecise Credences.' *Philosophy and Phenomenological Research*. Vol. 93. Issue 1. 2016. pp. 55-78.

[J12] "Structural Chaos." *Philosophy of Science*. Vol. 82, No. 5. December, 2015. pp. 1236–1247.

[J13] "The Limits of Piecemeal Causal Inference." *The British Journal for Philosophy of Science*. Vol. 65. No. 2. 2014)
   • Reprinted in Philosophers Annual Vol. 34. 2015.

[J14] "Reliability of Testimonial Norms in Scientific Communities." *Synthese*. Vol. 191, Issue 1. 2014. pp. 55-78.

[J15] Conor Mayo-Wilson, Kevin Zollman, and David Danks. "Wisdom of the Crowds vs. Groupthink: Learning in Groups and in Isolation." *International Journal of Game Theory*. April, 2012. pp. 1-29.
   • Popular summary in Koerth-Baker, Maggie. "Crowds are not People, My Friend." New York Times Sunday Magazine. December 22nd, 2012.

[J16] "The Problem of Piecemeal Induction." *Philosophy of Science*. Vol. 78. Issue 5. December, 2011. pp. 864-874.

[J17] Conor Mayo-Wilson, Kevin Zollman, and David Danks. "The Independence Thesis: When Epistemic Norms for Individuals and Groups Diverge." *Philosophy of Science*. Vol. 78, No. 4. October, 2011. pp. 653-657.

[J18] "Russell's Logicism and Theory of Coherence." *Russell: The Journal of Bertrand Russell Studies*. Vol. 31 (Summer 2011), pp. 89 - 106.

[J19] Kevin Kelly and Conor Mayo-Wilson. "Ockham Efficiency Theorem for Random Empirical Methods."*Journal of Philosophical Logic*. Vol. 39, Issue 6. 2010. pp. 679 -712.

[J20] Kevin Kelly and Conor Mayo-Wilson. "Causal Conclusions That Flip Repeatedly and Their Justification." *Proceedings of the Twenty Sixth Conference on Uncertainty in Artificial Intelligence*. Eds. Peter Grunwald and Peter Spirtes. 2010. pp. 277-286.

Edited Volumes

[B1] *Scientific Collaboration and Collective Knowledge.* Eds. Thomas Boyer, Conor Mayo-Wilson, and Michael Weisberg. Oxford University Press. 2017.

Reviews

[R1] Review of Deborah Mayo's *Statistical Inference as Severe Testing: How to Get Beyond the Statistics Wars. Philosophical Review.* Vol. 130. Issue 1. January, 2021

[R2] Review of *Readings in Formal Epistemology.* Eds. Arlo-Costa, Hendricks, and Van-Bentham. In *Metascience.* 2017. pp. 1.3. DOI 10.1007/s11016-017-0173-2.

[R3] Kevin Kelly and Conor Mayo-Wilson. Review of Gilbert Harman's and Sanjeev Kulkarni's *Reliable Reasoning. Notre Dame Philosophical Review.* March 19th, 2008.

Awards

2024-2025	Fellow at the Center for Advanced Study of the Behavioral Sciences (CASBS) at Stanford University
2024-2025	Finalist for National Humantities Center Fellowship
2018-2020	Gerler Fellowship
	University of Washington Philosophy Department fellowship to support research and publicly-engaged philosophy
2018-2019	Royal Research Fund
	Competitive grant awarded by the University of Washington's Office for Research
2016	Technology Teaching Fellow
	Stipend awarded by the University of Washington's Center for Teaching and Learning to develop a hybrid (online/in-class) course
2015	Philosopher's Annual 10 Best Papers in Philosophy
2014	Saari Workshop Grant ($2,520)
2011	Josephine de Karman Fellowship Trust Dissertation Fellowship

Presentations (since 2015)

[P1] "Science as Social Choice." California Institute of Technology (CalTech). Feburary 27th, 2025.

[P2] "Randomization and Social Choice."

- Center for Advanced Study in the Behavioral Sciences (CASBS). Stanford University. January 2nd, 2024.

- Economic Methodology: Models, Measurement, and Interventions. Stanford University. March 2nd, 2024.

[P3] "Diversity and Collective Problem Solving." Bochum University (Germany). June 19th, 2024.

[P4] "Statistics without numbers." Joint Statistical Meetings. Portland, Oregon. August 4th, 2025.

[P5] "Measured Inference." Philosophy of Science Association. New Orleans, Louisiana. November 16th, 2024.

[P6] "Evidence and Obligation." Colloquium at University of California Davis. March 10th, 2023.

[P7] Comments on Aydin Mohseni's paper "HARKING: Froom Misdiagnosis to Mis-prescription". American Philosophical Association. Central Division. February 24th, 2023.

[P8] "Bamboozled by Bonferroni." *Philosophy of Science Association.* Pittsburgh. November 2022.

[P9] "Scientific Evidence and the Duty to Disclose"

- American Philosophical Association. Pacific Division. April 6th, 2023.
- Northwest Philosophy Conference. Lewis and Clark University. October 29th, 2022.
- University of Texas A&M. August 27, 2021.
- Values in Science and Philosophy. Claremont-McKenna College. April 2nd, 2022.
- Fourth conference on Formal Methods in Philosophy. April 21st, 2022.
- Central States Philosophical Association. April 29th, 2022.
- The Role of Confirmation in Science. May 2nd, 2022. Stockholm University.

[P10] "Rational Choice and the Value of Understanding." Fourth Workshop on Scientific Understanding and Representation (SURe). April 22nd, 2022.

[P11] "Huygens on Expectation, Probability and Fairness."

- Canadian Mathematical Society. December 5th, 2021.
- History of Philosophy of Science Society (HOPOS). June 2022

[P12] "Bad Arguments for Randomization and How to Improve Them." With Konstantin Genin. June 9, 2021. Universitè Paris-Sorbonne.

[P13] "Statistical Decidability in Linear, Non-Gaussian Causal Moldels." (with Kasey Genin). Neural Information Processing Systems (NeurIPS). Workshop on Causal Discovery & Causality-Inspired Machine Learning. December 11, 2020.

[P14] "Statistical Decidability in Linear, Non-Gaussian Causal Moldels." (with Kasey Genin). Neural Information Processing Systems (NeurIPS). Workshop on Causal Discovery & Causality-Inspired Machine Learning. December 11, 2020.

[P15] "A Qualitative Generalization of Birnbaum's Theorem"

- Formal Epistemology Workshop. University of California Irvine. Virtual conference. May 22-24th, 2020.

[P16] "Formal Methods: Is TMTOWTDI?"

- University of Minnesota. September 20th, 2019.

[P17] "QUOL: Qualitative, Objective Likelihoodism"

- Formal Epistemology Workshop (FEW). University of Turin. June, 2019.
- Progic. Frankfurt School of Finance and Management. July, 2019.
- Carnegie Mellon University. Department of Philosophy. November 15th, 2019.

[P18] Comments on Justin-Clark Doane's "Morality and Mathematics." Canadian Philosophical Association. June 9th, 2019.

[P19] "Infinite Extension"

- American Philosophical Association (Pacific Division). Vancouver, British Columbia. December April 19th, 2019.

[P20] "Potential Infinity and the Aristotelian Plane"

- Canadian Mathematical Society. Vancouver, British Columbia. December 9th, 2018.

[P21] "Statistics without Principles? Epistemology without intuition?"

- Philosophy of Science Association. Seattle, WA. November 3rd, 2018.

[P22] "Intersubjectivity and Statistical Principles"

- Formal Social Epistemology Workshop (FSEW). UC Irvine. May 28th, 2018.

[P23] "Group Behavior and Judgment Aggregation"

- University of Victoria. Philosophy Department Colloquium. March 2nd, 2018.
- Pitt-CMU Graduate Philosophy Conference. March 24th, 2018.

[P24] "Argument, Debate Collaboration

- Frankfurt Agent-based Workshop. Frankfurt School of Finance and Management. June 15th, 2018.
- Eastern APA, Savannah Georgia.

[P25] "Bayesianism is Inconsistent with Reliabilism."

- University of Melbourne. Philosophy Department Colloquium. March 16th, 2017.
- American Philosophical Association (Pacific Division). Seattle, Washington. April 15th, 2017.
- Society for Exact Philosophy. University of Calgary. April 2017.
- European Congress on Analytic Philosophy. August 2017
- Western Canadian Philosophical Association. October 14th, 2017

[P26] "Formalization and Justification."

- American Philosophical Association (Central Division). Chicago, Illinois. February 21st, 2018.
- Conference on "The Emergence of Structuralism and Formalism." Charles University. Prague. June 22nd, 2016.

[P27] "Theories of Knowledge: Philosophical and Scientific."

- Logic and Philosophy of Science Department. University of Irvine. May 20, 2016.
- 5 Years MCMP: Quo Vadis Mathematical Philosophy. University of Munich. June 3rd, 2016.

[P28] "Epistemic Closure in Statistics."

- American Philosophical Association (Central Division). Chicago, Illinois. March 5th, 2016.
- Western Canadian Philosophical Association. University of British Columbia. October 4th, 2014
- Formal Epistemology Workshop. University of Southern California. June 20th, 2014.

[P29] "Descartes on Exactness: Non-Propositional Meta-Theory." History and Philosophy of Science Workshop. University of Washington. October 24th, 2015

[P30] "ABMs in Social Epistemology and Scientific Policy." University of Hannover. July 11th, 2015

[P31] "Knowledge in a Statistical World."

- University of Salzburg. June 23rd, 2015.
- University of Bristol. March 19th, 2015
- University of Victoria. November 21st, 2014

Guest Lectures and Tutorials

- "Distributed Science, Skepticism, and the Failure of Modern Epistemology." University of Washington Philosophy Society. May 14th, 2019.

- "Collaboration and Co-authorship." For the Science, Technology, and Society Studies Capstone Seminar. University of Washington. October 14th, 2016

- "Dutch Book Arguments." University of Washington Math Club. May 14th, 2016.

- "Classical vs. Bayesian Statistics: A Short Introduction." Summer school in mathematical philosophy for women. University of Munich. July 27th, 2015.

- "An Introduction to Causal Inference." 4th Collaborative Summery School in Epidemiology in Munich. July 20th, 2015.

- "Combining Causal Theories." Biobehavioral Cancer Prevention and Control Training Program. Fred Hutchinson Center. February 19th, 2015.

- "Philosophy of Mathematics: An Opinionated Introduction." University of Washington Math Club. October 24th, 2014.

Presentations for the General Public

- "What is Philosophy?" Tahoma High School Philosophy Club. November 17th, 2020.

- "Does Science Point to Atheism?" Veritas Forum. March 4th, 2019. University of Washington.

- "Causation: What is it, and why does it matter?" Seattle Analytic Philosophy Club. January 23rd, 2019. Seattle Public Library (Capitol Hill Branch).

Service

Professional

PROGRAM COMMITTEES:	Formal Epistemology Workshop (2015-2020), Philosophy of Science Association (2018), British Society for Philosophy of Science (2019), and European Philosophy of Science Association (2019)
ORGANIZER:	Formal Epistemology Workshop (2017)
REFEREE:	*Australian Journal of Philosophy, British Journal for Philosophy of Science, Economics and Philosophy, Ergo, Erkenntnis, Episteme, Journal of Philosophy, Mind, Minds and Machines,* National Science Foundation, *Philosophy of Science, Philosophical Studies, Philosophical Review, Philosophy and Phenomenological Research, Studies in History and Philosophy of Science, Synthese, Theory and Decision, Topoi*

University-Wide Service

- University of Washington Faculty Senate (2015-2019)

- Member of the University of Washington's Evidence-Based Teaching (EBT) Initiative
  - Coach for EBT Exploration Group Spring 2021

Departmental Service

- Placement Committee (Chair) 2020-2022.

- Member of Department of Philosophy Teaching Innovations Committee

- Chair of the Logic Committee 2017. Revised the formal methods requirement for the Ph.D. program.

- Admissions Committee 2015, 2017, 2019.

- Web-Design Committee 2015

RECENT TEACHING

COURSE TITLE	CATALOG NUMBER	YEARS
Decision Theory	Phil. 401D	Win 2025
Controversy Studies	HPS 400/Phil. 401B	2023 (twice)
Philosophy of Game Theory	Phil. 401	2022 (twice)
Seminar in Epistemology of Science	Phil. 550	2022
History and Philosophy of Probability	HPS 400/Phil. 401B	2021, 2023
Statistics and Philosophy of Voting	Stat. 498B/CSS& 594B	2020, 2022, 2025
Induction and Probability	Phil. 483	2017-2021
Practical Reasoning	Phil. 115	2020
Epistemology	Phil. 450	2014, 2019-2020
Introduction to Epistemology	Phil. 350	2018-2019
The Scientific Revolution and Mechanical Philosophy	HPS 400/Honors 392	2016, 2018
Philosophy of Mathematics	Phil. 373	2016, 2023
Group Knowledge and Justification	Phil. 550	2017
Science and Values	Phil. 401	2016
Intermediate Logic	Phil. 470	2015
Introduction to Symbolic Logic	Phil. 120	2015-2023, 2025
Epistemology of Testimony	Phil. 550	2015

GRADUATE STUDENT SUPERVISION

Current: Norman Trushaev. PhD Advisor.

Past:

- Justin Lawson. 2022. Dissertation committee member

- Darcy McCusker. Graduated 2021. Dissertation committee member.

- Michelle Pham. Graduated 2020. Dissertation committee member.

- Michael Pearce (statistics). Graduated 2023. Graduate school representative.

- Kristine Hampton (mathematics). Graduated 2023. Graduate school representative.

- Juan Salinas (mathematics). Graduated 2025. Graduate school representative..