Matthew Coates

Department of Logic and Philosophy of Science
University of California, Irvine
Social Science Tower
Irvine, CA, 92617

mncoates@uci.edu
Website: https://matthewncoates.github.io/

Correct as of 2024/09/11

Education

Ph.D. Candidate - Philosophy Ph.D. Candidate - Philosophy (Logic and Philosophy of Science) 2019 - 2025 [Expected]
University of California, Irvine (UCI)
Graduate Emphasis in Biology and the Behavioral Sciences
Advisor: Cailin O'Connor
Dissertation: "Network Epistemology Tools Applied to Problems in Epistemically Detrimental Dissent"

MSc - Philosophy of Science 2017 - 2018
The London School of Economics

BSc (Hons) - Mathematics 2014 - 2017
Queen Mary, University of London

Research Areas
AOS

Philosophy of Science, Philosophy of Biology, Epistemology (Social, Formal), Game Theory (esp. Evolutionary Game Theory)

AOC

Philosophy of Probability, History of Analytic Philosophy, Values in Science

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Publications
Published

Coates, Matthew. "Does it Harm Science to Suppress Dissenting Evidence?" forthcoming in *Philosophy of Science*

Sherlock, Emma, **Matthew Coates** and Csaba Csuzdi. "Modelling of climatic tolerances of three earthworm species; Satchellius mammalis, Lumbricus friendi and Lumbricus festivus using Maximum Entropy Modeling". *Opuscula Zoologica.* 53(1): 51–65. 2022

In Progress

Coates, Matthew. "Keynes, Wittgenstein, and Probability in the Tractatus" under review

Coates, Matthew. "Multilayer Networks and the Evolution of Risky Cooperation" in progress

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Talks and Presentations
Refereed

"Multilayer Networks and the Evolution of Risky Cooperation", The 29th Meeting of the Philosophy of Science Association (PSA). New Orleans, LA. November 2024. [Forthcoming]

"Multilayer Networks and the Evolution of Risky Cooperation", The 8th Meeting of the Philosophy,

Politics and Economics Society (PPE). New Orleans, LA. November 2024. [Forthcoming]

"Does it Harm Science to Suppress Dissenting Evidence?", The 8th Meeting of the Philosophy, Politics and Economics Society (PPE). New Orleans, LA. November 2024. [Forthcoming]

"Multilayer Networks and the Evolution of Risky Cooperation", Philosophical Engagement with Biology and Medicine Workshop, Bielefeld University, Bielefeld, Germany. September 2024 [Forthcoming]

"Multilayer Networks and the Evolution of Risky Cooperation", Philosophy of Biology at the Mountains (POBAM) 2024. University of Utah, Salt Lake City, UT. July 2024

"Does it Harm Science to Suppress Dissenting Evidence?", Sixth University of Kent Graduate Colloquium. Kent, United Kingdom. June 2024

"Does it Harm Science to Suppress Dissenting Evidence?", Workshop on Computational Models in Social Epistemology. Bochum, Germany. December 2023

"Modeling Hiding Dissent in Journal Publications", 17th International Congress on Logic, Methodology and Philosophy of Science and Technology (CLMPST). Buenos Aires, Argentina. July 2023

"Modeling Hiding Dissent in Journal Publications". Poster at the 28th Meeting of the Philosophy of Science Association (PSA). Pittsburgh, PA. November 2022.

"Modeling Scientific Advisory Groups". Poster at the Formal Epistemology Workshop (FEW). Irvine, CA. May 2022.

"The Unconscious Conventionalism of the Geometry of Space Time", 6th LSE-Bayreuth Student Philosophy Conference, University of Bayreuth, Germany May 2018

Invited

"Modeling Hiding Dissent in Journal Publications", University of California Science, Values, and Policy Workshop, June 2023

Awards and Fellowships

LPS Graduate Service Award (UC Irvine, 2024, $150)

LPS Graduate Service Award (UC Irvine, 2023, $150)

Social Science Merit Fellowship, School of Social Science (UC Irvine, 2019-2025)

Professional Service

Organizer, Symposium on "Modeling the Social Structure of Science," PPE 2024, New Orleans, November 2024.

Coordinator, Work-in-Progress (WiP) talk series, UC Irvine LPS, 2023-2024.

Coordinator, Kent Johnson Memorial Fund Teaching Workshop: Syllabus Design, UC Irvine, 2023-2024.

Reviewer, UC Irvine Graduate Philosophy Conference, 2023-2024

Judge, Undergraduate Research Symposium, UC Irvine, April-May 2024

Judge, Undergraduate Research Symposium Poster Session, UC Irvine, May 2023.

Co-organizer, Conference on "Values, Fairness, and Machine Learning," UC Irvine, June 2022.

Organizer, Talk by John Worrall, The London School of Economics and Political Science, November 2017.

Volunteer Curation and Research, Freeliving and Parasitic Worm Collections, Natural History Museum London, 2017-2019.

Teaching

Instructor
- Introduction to Symbolic Logic (LPS 30), Summer 2024, UC Irvine - Aysnchronous Online
- Philosophy of Sex (LPS 91), Fall 2023, UC Irvine
- Introduction to Symbolic Logic (LPS 30), Summer 2023, UC Irvine

Teaching Assistant
- Probability and Statistics (Sociol 10C), Spring 2024, UC Irvine
- Voting and Manipulation (Pol Sci 151H), Winter 2024, UC Irvine
- Global Economy (Econ 13), Spring 2023, UC Irvine
- Philosophy of Sex (LPS 91), Winter 2023, UC Irvine
- Peoples of the Pacific (Anthro 163A), Fall 2022, UC Irvine
- Introduction to Inductive Logic (LPS 31), Spring 2022, UC Irvine
- Introduction to Symbolic Logic (LPS 30), Winter 2022, UC Irvine
- Critical Reasoning (LPS 29), Fall 2021, UC Irvine
- Introduction to Symbolic Logic (LPS 30), Winter 2021, UC Irvine
- Critical Reasoning (LPS 29), Fall 2020, UC Irvine
- Introduction to Inductive Logic (LPS 31), Spring 2020, UC Irvine
- Critical Reasoning (LPS 29), Winter 2020, UC Irvine

Additional Educational and Professional Training
- Kent Johnson Memorial Fund Teaching Workshop: Syllabus Design, Spring 2023
- Microsoft Excel Core Certification

Research Employment and Collaborations

Graduate Student Researcher, Supported by NSF grant 1922424: "Consensus, Democracy, and the Public Understanding of Science" (Co-PIs O'Connor and Weatherall). Conducted research on hiding dissent by scientists to policy makers. Summers 2020, 2021

Researcher, Freeliving and Parasitic Worm Collections, Natural History Museum London. Helped to perform research using mapping and computational modelling to understand the effects of climate change on worm populations. 2017-2019

References

Please direct all reference letter requests to LPS Department Analyst Logan Lanis (llanis@uci.edu).
- Cailin O'Connor
  - Professor
  - Department of Logic and Philosophy of Science
  - University of California, Irvine
  - cailino@uci.edu
- James Weatherall
  - Professor and Chair
  - Department of Logic and Philosophy of Science
  - University of California, Irvine
  - james.owen.weatherall@uci.edu
- Simon Huttegger
  - Professor

  - Department of Logic and Philosophy of Science
  - University of California, Irvine
  - shuttegg@uci.edu
- Toby Meadows (Teaching)
  - Professor
  - Department of Logic and Philosophy of Science
  - University of California, Irvine
  - meadowst@uci.edu