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Areas of Interest

Areas of Specialization
Philosophy of Science, Philosophy of Technology, Computational Social Epistemology, Logic.

Areas of Competence
Data Science, Philosophy of Computing, Social and Political Philosophy, Ethics, Mathematical Logic, Autonomous Decision Making.

Current Position

Munich Center for Mathematical Philosophy, Ludwig Maximilian University
Assistant Professor   2022

Previous Positions

The Australian National University
Research Fellow   2019

Columbia University
Contemporary Civilization Instructor   2017

Referees

Main Referees
Philip Kitcher, PhD Advisor, *Columbia University*
Colin Klein, Current Advisor, *The Australian National University*

Additional Referees
Sylvie Thiebaux, computer science, *The Australian National University*
Kevin Zollman, *Carnegie Mellon University*
Achille Varzi, teaching letter, *Columbia University*
Lexing Xie, computer science, *The Australian National University*
Eleonora Cresto, *The University of Buenos Aires*
Patricia Kitcher, teaching letter, *Columbia University*
Rohit Parikh, *City University of New York*

Education

Columbia University
Ph.D., Philosophy   2019
Committee: Philip Kitcher (adviser), Kevin Zollman, Eleonora Cresto, Achille Varzi, Jessica Collins.

M.Phil., Philosophy	2015
M.A., Philosophy	2014

University of Buenos Aires
M.A., Philosophy of Logic	2012
B.A., Philosophy and minor in Mathematics (*cum laude*)	2010

Taller Escuela Agencia (TEA)
B.A., Journalism	2004

Johns Hopkins University via *Coursera*
Data Analysis Specialization	2020

University of Alberta via *Coursera*
Reinforcement Learning Specialization	2020

DeepLearning.AI
Tensorflow Developer	2021

Publications

"**Stochastic Policies in Morally Constrained (C-)SSPs**," (co-authored), Proceedings of the 2022 AAAI/ACM *Conference on AI, Ethics, and Society*, 2022.

"**Radical Pooling and Imprecise Probabilities**," (single-authored) *Erkenntnis*, 2022.

"**The affiliative use of emoji and hashtags in the Black Lives Matter movement: A Twitter case study**," (co-authored) *Social Science Computer Review*, July 2021, DOI: 10.21203/rs.3.rs-741674/v1.

"**The Coordination Dilemma For Epidemiological Modelers**," (with Sarita Rosenstock and Colin Klein), *Biology and Philosophy*, 2021.

"**Learning and pooling, pooling and learning**," (with Rush Stewart), *Erkenntnis*, June 2018, Volume 83, Issue 3, pp 369–389.

"**Probabilistic Opinion Pooling with Imprecise Probabilities**," (with Rush Stewart), *Journal of Philosophical Logic*, February 2018, Volume 47, Issue 1, pp 17–45.

"**On Semantic Gamification**," *Lecture Notes in Computer Science*, Volume 10119, pp. 183-197. Proceedings of the Indian Conference for Logic and its Applications (ICLA), 2017.

"**La Paradoja de Newcomb**," in *Paradojas, Paradojas y más Paradojas*, Eduardo Barrio (editor), College Publications, 2014, pp. 165-181.

"**The structural collapse approach reconsidered**," (a response to Roy T. Cook), *Análisis Filosófico*, Volume 32 (1), 2012, pp. 61-68.

"**Non-standard models and Yablo's Paradox**," *Cuadernos de Filosofía*, Volume 51, 2008, pp. 111-117.

In Progress

Submitted

"**Polarization and trust in the evolution of vaccine discourse on Twitter during COVID-19**," (first author) (Revised and Resubmitted at PLOS ONE).

"**Segregation Dynamics in Social Networks**," (single-authored) (under review).

"**A joint characterization of altruistic and spiteful utilities**," (single-authored) (under review).

In Preparation

"**Interventions on Network Epidemics**," (co-authored).

"**Exploratory Data Analysis: Between Discovery and Justification**," (single-authored).

Selected Talks and Conferences

- "Polarization and trust in the evolution of vaccine discourse on Twitter during COVID-19," Workshop Digital Trust, Australian National University, Canberra, February 2022.
- "The Coordination Dilemma for Epidemiological Modelers," ANU Philosophy Seminar, Macquarie University Philosophy Seminar, and University of Sydney Philosophy Seminar. 2021.
- "Schelling segregation in (online) social networks," Workshop in Social and Behavioural Dynamics of Attention, Australian National University, Canberra, February 2020.
- "Schelling Segregation in Social Media," University of California Irvine, 2019.
- "Altruistic and Spiteful Utilities," Seminar in Logic, Games and Society, CUNY, New York, 2018.
- "On radical pooling and consensus as common ground," Determinism and Probability Workshop (organizier: Christian List), London School of Economics, June 2017.
- "On Altruistic Utilities," *Show 'n Tell* Seminar, Carnegie Mellon University, 2017.
- "On Semantic Gamification," 7th Indian Conference on Logic and its Applications (ICLA 2017), Kanpur, 2017.
- "Probabilistic Opinion Pooling with Imprecise Probabilities," en The Institute of Mathematical Sciences (IMSc, Chennai), (invited by Prof. R. Ramanujam), Chennai, 2016.
- "On Semantic Gamification," International Conference of The Indian Mathematics Consortium (TIMC), in cooperation with American Mathematical Society (AMS), Banaras Hindu University, Varanasi, 2016.
- "Consensus Pooling in the Presence of Radical Disagreement," International Rationality Summer Institute, Aurich, 2016.
- "Game Semantics for some Non Classical Logics," Logic and the Foundations of Game and Decision Theory Conference, 2016.
- "Game Semantics for (some) Many-Valued Logics," Munich Center for Mathematical Philosophy, 2015.
- "Probabilistic Opinion Pooling and Some Neglected Virtues of Imprecise Probabilities," (joint work with Rush Stweart) University of Regensburg, 2015.
- "Credibility and the stability of what is conveyed," CUNY Pragmatics Workshop in Relevance, Games, and Communication, 2014.
- "Games, Logic and Language," poster presentation at the International Game Theory and Economic Applications of the Game Theory Society 2014, Sao Paulo, Brazil.
- "At risk for paradox," Third New College Logic Meeting in Oxford, 2012.

Teaching

Convener (*Australian National University*)

- Philosophy of Mind, Fall 2022

Tutor (*Australian National University*)

- Logic and Critical Thinking, Fall 2020 (Convener: Colin Klein)

Instructor (*Columbia University*)

- Contemporary Civilization (Academic Year 2018-2019)

  Discussion-driven "great books" seminar course covering major philosophical texts in the Western tradition. Authors read include Plato, Aristotle, Augustine, Al-Ghazali, Ibn Tufayl, Aquinas, Descartes, Luther, Machiavelli, Hobbes, Locke, Hume, Rousseau, Kant, Wollstonecraft, Mill, Nietzsche, Marx, Du Bois, Foucault, Arendt, and Rawls.

- Contemporary Civilization (Academic Year 2017-2018)

- Symbolic Logic (Summer 2017)

  An intensive advanced introduction to sentential and first-order logic for college, general studies, and visiting students. Due to the condensed nature of the course, the focus was on the main syntactic and semantic properties of the languages and on deductive proofs.

Teaching Assistant (*Columbia University*)

- Philosophy of Science, Spring 2016 (Instructor: Daniel Cloud)
  Guest lecture: Frank Knight on risk and uncertainty, and the Ellsberg Paradox.

- Methods and Problems, Fall 2015 (Instructor: David Albert).
  Guest lecture: David Lewis on The Paradoxes of Time Travel.

- Symbolic Logic. Spring 2015 (Instructor: Achille Varzi), Fall 2014, Spring 2014 (Instructor: Tamar Lando), Fall 2013 (Instructor: Jeffrey Helzner).
  Guest lecture: Truth Functional Completeness of the propositional connectives.

Other Teaching Experience

- Teaching Asistant in Symbolic Logic. Spring 2011, Fall 2011, Spring 2012 (Instructor: Eduardo Barrio) - *University of Buenos Aires.*

- *Rethink* (Spring 2014, Fall 2014, Spring 2015, Fall 2015, Spring 2016, Fall 2018)
  Philosophical discussion sections with court-involved youth at the Harlem Justice Community Program, the Fortune Society and SoBRO; and with women who have been victims of sexual trafficking and teenagers from violent homes at Sanctuary for Families. Subjects vary, but include concepts like justice, punishment, causation, and equality. This program won the 2015 Prize for Excellence and Innovation in Philosophy from the American Philosophical Association.

Awards and Fellowships

Awards

- Outreach program *Rethink*: American Philosophical Association *Prize* for Excellence and Innovation in Philosophy Programs 2015.

- David H. Siff Philosophy of Science Award, 2016.

- David H. Siff Philosophy of Science Award, 2015.

Visitorships and Travel Grants

- *London School of Economics* and Columbia University Partnership PhD Mobility Grant to visit the Center for Philosophy of Natural and Social Sciences, Summer 2017.

- *Carnegie Mellon University* Graduate Research Visitorship Grant, Philosophy Department, Spring 2017.

- Funded participant in the 7th *Indian Conference on Logic and its Applications* (ICLA 2017), Kanpur, India 2017.

- Funded participant at the *International Rationality Summer Institute* (IRSI), Aurich, Germany, 2016.

- Visiting Fellow at the *Munich Center for Mathematical Philosophy*, June 2015.

- Presenter at the International Workshop on Game Theory [IGWTS], Sao Paulo University, July 2014.

- Visiting student at the *Massachusetts Institute of Technology*, Spring 2011.

Fellowships

- Contemporary Civilization Instructor Fellowship, Columbia University, 2017-2019.

- Dean's Fellow in the Department of Philosophy, Columbia University, 2012-2017.

- CONICET - Argentina National Science Institute, Doctoral Fellowship, 2010-2012.

Service

Referee
Annals of Mathematics and Artificial Intelligence, European Journal for Philosophy of Science, Philosophy of Science, Erkenntnis, Economics and Philosophy, British Journal for the Philosophy of Science, Synthese, Episteme.

Organizer

- Columbia Workshop on Probability and Learning, April 2017.

- First Latinx Philosophers Conference, April 2016.

- Columbia Workshop on Group Agency and Social Epistemology, May 2016.

- Science, Value, and Pragmatism Conference (in honor of Philip Kitcher), February 2016.

- Columbia Pragmatism Colloquium talks: April 2016 (Cornel West), October 2014 (Richard Bernstein).

- Columbia/NYU Graduate Student Conference, 2013.

Graduate Student Representative
Philosophy Department, Columbia University, (2014 - 2015).

Skills and Languages

Technical Skills [*Github*]

- Data Analysis with *R*.

- Agent Based Modelling with *Netlogo.*

- Network Analysis with *Gephi*.

- Reinforcement Learning with *Python*.

- Deep Learning with *Tensorflow*.

- *Starcraft* aficionado.

Languages

- Spanish (native), English (fluent), German (basic), French (reading basics).