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Areas of Interest

Areas of Specialization

Formal Epistemology (including Game and Decision Theory), Philosophy of Technology, Philosophy of Science, Philosophical Logic.

Areas of Competence

Social and Political Philosophy, Ethics, Mathematical Logic.

Positions

The Australian National University

Research Fellow

July 2019 - current

Member of the [Humanising Machine Intelligence](#) initiative

Education

Johns Hopkins University via *Coursera*

Data Analysis Specialization (10 courses)

2020

University of Alberta via *Coursera*

Reinforcement Learning Specialization (4 courses)

2020

Columbia University

Ph.D., Philosophy

2019

M.Phil., Philosophy

2015

M.A., Philosophy

2014

Committee:

Philip Kitcher (adviser), Kevin Zollman, Eleonora Cresto, Achille Varzi, Jessica [John] Collins.

University of Buenos Aires

M.A., Philosophical Logic

2012

B.A., Philosophy and minor in Mathematics (*cum laude*)

2010

Taller Escuela Agencia (TEA)

B.A., Journalism

2004

Publications

“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.

Selected Talks

- “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, October 2019.
- “Altruistic and Spiteful Utilities,” Seminar in Logic, Games and Society, CUNY, New York, March 2018.
- “On radical pooling and consensus as common ground,” Determinism and Probability Workshop (organizer: Christian List), London School of Economics, June 2017.
- “On Altruistic Utilities,” *Show ‘n Tell* Seminar, Carnegie Mellon University, March 2017.
- “On Semantic Gamification,” 7th Indian Conference on Logic and its Applications (ICLA 2017), Kanpur, January 2017.
- “Probabilistic Opinion Pooling with Imprecise Probabilities,” en The Institute of Mathematical Sciences (IMSc, Chennai), (invited by Prof. R. Ramanujam), Chennai, December 2016.
- “On Semantic Gamification,” International Conference of The Indian Mathematics Consortium (TIMC), in cooperation with American Mathematical Society (AMS), Banaras Hindu University, Varanasi, December 2016.
- “Game Semantics for some Non Classical Logics,” Logic and the Foundations of Game and Decision Theory Conference, July 2016.
- “Game Semantics for (some) Many-Valued Logics,” Munich Center for Mathematical Philosophy, June 2015.
- “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, April 2012.

Teaching

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 Assistant 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 domestic violence and teenagers from violent homes at Sanctuary for Families. Subjects vary, but include concepts like justice, punishment, causation, and equality.

Awards and Fellowships

- *Columbia University* and *London School of Economics* Partnership PhD Mobility Grant to visit the Center for Philosophy of Natural and Social Sciences, Summer 2017.
- Dean's Fellow in the Department of Philosophy, *Columbia University*, 2012-2017.
- *Carnegie Mellon University* Graduate Research Visitorship, Philosophy Department, Spring 2017.
- Funded participant in the 7th Indian Conference on Logic and its Applications (ICLA 2017), Kanpur, January 2017.
- Funded participant at the International Rationality Summer Institute, August 2016.
- David H. Siff Philosophy of Science Award, 2016.
- Visiting Fellow at the Munich Center for Mathematical Philosophy, June 2015.
- David H. Siff Philosophy of Science Award, 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.
- CONICET - Argentina National Science Institute, Doctoral Fellowship, 2010-2012.

Service

Referee

Philosophy of Science, Erkenntnis, Economics and Philosophy, Synthese.

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.
- Columbia Pragmatism Colloquium talks: April 2016 (Cornel West), October 2014 (Richard Bernstein).
- Science, Value, and Pragmatism Conference (in honor of Philip Kitcher), February 2016.
- Columbia/NYU Graduate Student Conference, 2013.

Graduate Student Representative

Philosophy Department, Columbia University, (2014 - 2015).

Skills and Languages

Further Education

- Game Theory, Advanced Game Theory, Social and Economic Networks (*Stanford University* via *Coursera*)
- Network Dynamics of Social Behavior (*University of Pennsylvania* via *Coursera*)
- Multiple short courses at the International Rationality Summer Institute, August 2016.
- Participant at the EPICENTER Spring Course in Epistemic Game Theory; Maastricht University, June 2016.
- Multiple short courses at the International Workshop on Game Theory [IGWTS], Sao Paulo University, July 2014.

Technical Skills

- Real Time Strategy games expert.
- Data analysis with *R*.
- Reinforcement Learning in *Python*.
- Agent based modelling with *Netlogo*.
- Network Analysis with *Gephi*.

Languages

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