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Areas of Interest

Areas of Specialization

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

Areas of Competence

Social and Political Philosophy, Ethics, American Pragmatism, Mathematical Logic.

Positions

The Australian National University

Research Fellow

July 2019

Education

Columbia University

Ph.D., Philosophy

2019

M.Phil., Philosophy

2015

M.A., Philosophy

2014

University of Buenos Aires

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

2010

Taller Escuela Agencia (TEA)

B.A., Journalism

2004

Dissertation

Opinions and emotions as socially distributed attitudes

The dissertation focuses on how to best represent the consensus and attitude dynamic of a group given the attitudes of its individuals. This is done in the Bayesian epistemology framework using pooling with imprecise probabilities, and in utility theory extending Harsanyi's aggregation theorem to characterize other directed attitudes like spite and altruism. The final part of the dissertation considers attitudes within social networks and provides explanations and simulation models for online segregation and tribalism as well as the spread of rumors through contagion. The dissertation hopes to contribute to foundational issues like that of epistemic consensus, but also to new emerging phenomena in social epistemology.

Committee:

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

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 and Conferences

- “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. Ramanujan), 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.
- “Consensus Pooling in the Presence of Radical Disagreement,” International Rationality Summer Institute, Aurich, August 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.
- “Probabilistic Opinion Pooling and Some Neglected Virtues of Imprecise Probabilities,” (joint work with Rush Stewart) University of Regensburg, June 2015.
- “Credibility and the stability of what is conveyed,” CUNY Pragmatics Workshop in Relevance, Games, and Communication, October 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, 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 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.

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

- Data Analysis Specialization (*Johns Hopkins University* via *Coursera*- 8 courses, including Statistical Inference, Multivariate Linear Regression Models, and Machine Learning.)
- 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* [see GitHub for examples].
- General knowledge of *Python*.
- Agent based modelling with *Netlogo* [see GitHub for examples].
- Network Analysis with *Gephi* [see GitHub for examples].

Languages

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