Boris Babic

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last update: February 2022

Academic Appointments

Assistant Professor, University of Toronto Department of Philosophy and Department of Statistical Sciences (co appointed)	2021-
Assistant Professor, INSEAD Department of Decision Sciences (France and Singapore)	2019-2021
Postdoctoral Scholar, California Institute of Technology	2017-2019
Education	
PhD in Philosophy, University of Michigan, Ann Arbor	2013-2017
Dissertation Title: Foundations of Epistemic Risk Committee: James Joyce (Chair), Peter Railton, Brian Weatherson, Rich Gonzalez (Statistics/ Psychology)	
MS in Statistics, University of Michigan, Ann Arbor	2015-2017
JD, cum laude, Harvard Law School	2007-2010
BA, summa cum laude, York University	2003-2007

Areas of Specialization and Competence

AOS: Philosophy of Science & Epistemology, Bayesian Statistics, Ethics & Data Science **AOC**: Decison & Game Theory, Philosophy of Law, History of Analytic Philosophy

Publications

Peer-Reviewed Journal Articles. 1. The Case Against Explainable Medical Machine Learning, Science with I. Glenn Cohen, Theodoros Evgeniou, and Sara Gerke	Exp 2021
2. Direct Advertising of Medical Machine Learning, Nature Machine Intelligence with I. Glenn Cohen, Theodoros Evgeniou, and Sara Gerke	2021

3. Normativity, Epistemic Rationality and Noisy Statistical Evidence, British Journal for the Philosophy of Science with Anil Gaba, Ilia Tsetlin, and Robert L. Winkler	2021
4. Approximate Coherentism and Luck, Philosophy of Science	2021
5. A System View for Medical Machine Learning Policy, Nature Digital Medicine with I. Glenn Cohen, Theodoros Evgeniou, and Sara Gerke	2020
6. Moral Obligation & Epistemic Risk, Oxford Studies in Normative Ethics with Zoë Johnson-King	2020
7. Algorithms on Regulatory Lockdown, Science with I. Glenn Cohen, Theodoros Evgeniou, and Sara Gerke	2019
8. A Theory of Epistemic Risk, Philosophy of Science	2019
Other Writing	
9. Explaining Medical AI is Easier Said than Done, STAT News with Sara Gerke	2021
10. When Machine Learning Goes off the Rails, Harvard Business Review with I. Glenn Cohen, Theodoros Evgeniou, and Sara Gerke	2020
11. Can AI Decide Who Gets an Organ Transplant?, Harvard Business Review with I. Glenn Cohen, Theodoros Evgeniou, Sara Gerke, and Nikos Trichakis	2020
12. Onboarding AI, Harvard Business Review with Daniel Chen, Theodoros Evgeniou, and Anne-Laure Fayard	2020
In Progress.	
13. Moral Encroachment under Moral Uncertainty (submitted) with Zoë Johnson King	
14. Resolute and Correlated Bayesians (submitted) with Anil Gaba, Ilia Tsetlin, and Robert L. Winkler	
15. Algorithmic Fairness and Resentment (submitted) with Zoë Johnson King	
16. Bayesian Bandits and New Hypotheses (in progress) with Ilia Tsetlin	

Presentations

"The Case Against Explainable Medical Machine Learning"

Canadian Statistical Society, Annual Meeting (June 2021)

University of Toronto, Schwartz Reisman Institute (September 2021)

"Resolute and Correlated Bayesians"

California Institute of Technology (June 2021)

The University of Bristol (May 2021)

"Noisy Stereotypes"

UC Irvine, Formal Epistemology Workshop (April 2020)

University of Toronto (February 2020)

University of Washington (February 2020)

University of Stirling and Edinburgh, Varieties of Risk Project (November 2021)

"Algorithmic Discrimination and Epistemic Risk"

London School of Economics (February 2019)

INSEAD (February 2019)

California Institute of Technology (January 2019)

King's College London (July 2021)

"Moral Obligation and Epistemic Risk"

Arizona Workshop in Normative Ethics (January 2019)

"A Challenge for Approximate Coherentism"

University of Colorado, Boulder, 34th Conf. on Chance and Probability (October 2018)

"Testing for Discrimination and the Risk of Error"

The Australian National University (July 2018)

"Dynamic Epistemic Risk"

University of California, Irvine (February 2018)

California Institute of Technology (January 2018)

"Generalized Entropy and Epistemic Risk"

University of Michigan, Philosophy of Science Colloquium (February 2018)

London School of Economics, Philosophy of Probability Conference (June 2017)

University of Chicago, Graduate Conference (April 2016)

"Frequency Encoding Credences"

London School of Economics, Decisions, Games and Logic Workshop (June 2015)

"Degrees of Belief, Moral Judgment, and Legal Responsibility"

Harvard Legal Philosophy Colloquium (November 2014)

Fellowships & Awards (Selected)

Reconceiving Procedural Fairness, Insight Dlpt Grant (Col Social Sciences and Humanities Research Council of Car	,	2021-2025
Fair Machine Learning, Research Grant (\$7,500) The Desmarais Fund for Research in AI		2020
Doctoral Fellowship (\$60,000) Social Sciences and Humanities Research Council of Car	nada	2015-2018
Rackham Dissertation Fellowship (\$10,200) University of Michigan, Ann Arbor		2017
Rackham Research Grant (\$3,000) University of Michigan, Ann Arbor		2017
Mellon Recruitment Fellowship (\$4,000) University of Michigan, Ann Arbor		April 2013
Rhodes Scholarship Finalist Ontario		December 2009
Public Interest Law Fellowship (\$5,000) Harvard Law School		2008
Teaching		
Bayesian Statistics (BA) University of Toronto		Spring 2021
Philosophy of Science (PhD) <i>University of Toronto</i>		Spring 2021
Statistics, Ethics and Law (new course) (MSc) <i>University of Toronto</i>		Fall 2021
Ethical Issues in Big Data (new course) (BA) <i>University of Toronto</i>		Fall 2021
Bayesian Statistics (PhD) INSEAD	Fali	l 2020, Fall 2019
Management Decision Making (MBA) INSEAD	Spring 20	021, Spring 2020
Data Analysis (Masters in Management) INSEAD		Fall 2020
Quantitative Methods (MBA) INSEAD	Summer 2019, Fall	! 2019, Fall 2020
Statistics, Ethics and Law (new course) Caltech		Spring 2018
Probability, Evidence and Belief <i>Caltech</i>	Spring	2018, Fall 2018
Knowledge and Reality Caltech	Fall 20	017, Spring 2019

Nature of Science	Fall 2016		
University of Michigan	2 2016		
Knowledge and Reality	Summer 2016		
University of Michigan			
Legal Experience			
Stikeman Elliott, LLP Litigation Attorney	Toronto 2012–2013		
Quinn, Emanuel, Urquhart & Sullivan, LLP Litigation Attorney	Los Angeles 2010–2012		
Kirkland & Ellis, LLP Summer Associate (offer extended)	New York Summer 2009		
Petrie-Flom Center for Health Law Policy, Biotechnology & Bioethics Research Assistant	Cambridge, MA 2009–2010		
Professional Service			
Reviewer for the following publications: Philosophy of Science, Mind, BJPS, Theory & Decision, PPR, Ergo, Synthese, PPQ, APQ			
ACM Conference on Fairness, Accountability, and Transparency (ACM F Program Committee	FAccT) June 2022		
AAAI/ACM Conference on AI, Ethics and Society Program Committee	May 2021		
10th Workshop in Decisions, Games and Logic Organizer (Co-), \$10,000+ grant funding	June 2019		
Philosopher's Annual Editor (Volumes 35 and 36)	2017, 2016		
Foundations of Belief and Decision Making Workshop Coordinator (and Co-founder), \$11,000+ grant funding	2015-2017		
9th Workshop in Decisions, Games and Logic Organizer (Co-), \$4,000 grant funding	July 2015		
Law & Philosophy Working Group <i>Coordinator (Co-), \$12,000 grant funding</i>	2013-2015		
Harvard Journal of Law and Technology	2007-2009		

Computer Skills

Editor

R, Python, SAS, JAGS, Stan

Memberships & Affiliations

State Bar of California, Provincial Bar of Ontario

References

Research

James Joyce

C. H. Langford Collegiate Professor of Philosophy, University of Michigan, Ann Arbor office. 734. 763. 2120 cell. 734. 330. 6849 jjoyce@umich.edu

Peter Railton

Gregory S. Kavka Distinguished University Professor, University of Michigan, Ann Arbor office. 734. 763. 2122 cell. 734. 395. 1350 prailton@umich.edu

Christopher Hitchcock

J. O. and Juliette Koepfli Professor of Philosophy, California Institute of Technology office. 626. 395. 3602 cricky@caltech.edu

Brian Weatherson

Marshall M. Weinberg Professor of Philosophy, University of Michigan, Ann Arbor office. 734.764.6285 weath@umich.edu

Simon Huttegger

Professor, Logic and Philosophy of Science, University of California, Irvine office. 949. 824. 3220 shuttegg@uci.edu

Jonathan Weisberg

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Teaching.....

Elizabeth Anderson

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