

# Boris Babic

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last update: December 2019

## Academic Appointments

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Assistant Professor of Decision Sciences, INSEAD (France and Singapore)	2019-
Postdoctoral Scholar, California Institute of Technology	2017-2019

## Education

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PhD in Philosophy, University of Michigan, Ann Arbor <i>Dissertation Title:</i> Foundations of Epistemic Risk <i>Committee:</i> James Joyce (Chair), Peter Railton, Brian Weatherson, Rich Gonzalez (Statistics/ Psychology)	2013-2017
MS in Statistics, University of Michigan, Ann Arbor	2015-2017
JD, <i>cum laude</i> , Harvard Law School	2007-2010
BA, <i>summa cum laude</i> , York University	2003-2007

## Areas of Specialization and Competence

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**AOS:** Ethics in Data Science, Philosophy of Science (esp. Statistics), Decision Theory  
**AOC:** Epistemology, Game Theory, Philosophy of Law, History of Analytic Philosophy

## Publications

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1. Algorithms on Regulatory Lockdown, <i>Science</i> with I. Glenn Cohen, Theodoros Evgeniou, and Sara Gerke	2019
2. Moral Obligation & Epistemic Risk, <i>Oxford Studies in Normative Ethics</i> with Zoë Johnson-King	2019
3. A Theory of Epistemic Risk, <i>Philosophy of Science</i>	2019

## In Progress

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4. Regulating Artificial Intelligence/Machine Learning-Based Software as a Medical Device, 2nd R&R at *Nature Digital Medicine*  
with I. Glenn Cohen, Theodoros Evgeniou, and Sara Gerke
5. Approximate Coherentism and Luck, R&R at *Philosophy of Science*

## In Preparation

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6. A Lockean Theory of Fair Machine Learning  
with Zoë Johnson-King
7. Noisy Stereotypes  
with Robert Winkler, Anil Gaba, and Ilia Tsetlin
8. Accuracy Foundations of Reverse Bayesianism  
with Simon Huttegger

## Presentations

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### “Algorithmic Discrimination and Epistemic Risk”

HEC Paris (December 2019)  
London School of Economics (February 2019)  
INSEAD (February 2019)  
California Institute of Technology (January 2019)

### “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”

## Fellowships & Awards (Selected)

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Doctoral Fellowship (\$60,000) <i>Social Sciences and Humanities Research Council of Canada</i>	2015-2018
Rackham Dissertation Fellowship (\$10,200) <i>University of Michigan, Ann Arbor</i>	2017
Rackham Research Grant (\$3,000) <i>University of Michigan, Ann Arbor</i>	2017
Weinberg Summer Fellowship (\$4,000) <i>University of Michigan, Ann Arbor</i>	Summer 2015
Phi Kappa Phi honor society <i>University of Michigan, Ann Arbor</i>	April 2015
Mellon Recruitment Fellowship (\$4,000) <i>University of Michigan, Ann Arbor</i>	April 2013
Rhodes Scholarship Finalist <i>for Province of Ontario</i>	December 2009
Public Interest Law Fellowship (\$5,000) <i>Harvard Law School</i>	2008

## Teaching

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Bayesian Statistics (PhD) (with Anil Gaba) <i>INSEAD</i>	Fall 2019
Quantitative Methods (MBA) <i>INSEAD</i>	Fall 2019
Statistics, Ethics and Law (designed new course) <i>Caltech</i>	Spring 2018
Probability, Evidence and Belief <i>Caltech</i>	Spring 2018, Fall 2018
Knowledge and Reality <i>Caltech</i>	Fall 2017, Spring 2019
Nature of Science <i>University of Michigan</i>	Fall 2016
Knowledge and Reality <i>University of Michigan</i>	Summer 2016

## Legal Experience

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Stikeman Elliott, LLP <i>Litigation Attorney</i>	Toronto 2012–2013
Quinn, Emanuel, Urquhart & Sullivan, LLP <i>Litigation Attorney</i>	Los Angeles 2010–2012
Kirkland & Ellis, LLP <i>Summer Associate (offer extended)</i>	New York Summer 2009
Petrie-Flom Center for Health Law Policy, Biotechnology & Bioethics <i>Research Assistant</i>	Cambridge, MA 2009–2010

## Professional Service

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Reviewer for the following publications:

*Philosophy of Science* ( $\times 4$ ), *Theory & Decision*, *PPR*, *Ergo*, *Synthese*, *PPQ*, *APQ*

10th Workshop in Decisions, Games and Logic <i>Organizer (Co-), \$10,000+ grant funding</i>	June 2019
Philosopher's Annual <i>Editor (Volumes 35 and 36)</i>	2017, 2016
Foundations of Belief and Decision Making Workshop <i>Coordinator (and Co-founder), \$11,000+ grant funding</i>	2015-2017
9th Workshop in Decisions, Games and Logic <i>Organizer (Co-), \$4,000 grant funding</i>	July 2015
Law & Philosophy Working Group <i>Coordinator (Co-), \$12,000 grant funding</i>	2013-2015
Harvard Journal of Law and Technology <i>Editor</i>	2007-2009

## Computer Skills

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R, Python, SAS, JAGS, Stan

## Memberships & Affiliations

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State Bar of California, Provincial Bar of Ontario

## References

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### Research.....

#### James Joyce

C. H. Langford Collegiate  
Professor of Philosophy,  
University of Michigan,  
Ann Arbor  
office. 734. 763. 2120  
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#### Christopher Hitchcock

J. O. and Juliette Koepfli  
Professor of Philosophy,  
California Institute of  
Technology  
office. 626. 395. 3602  
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#### Simon Huttegger

Professor,  
Logic and Philosophy  
of Science,  
University of California, Irvine  
office. 949. 824. 3220  
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#### Peter Railton

Gregory S. Kavka  
Distinguished University  
Professor,  
University of Michigan,  
Ann Arbor  
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#### Brian Weatherson

Marshall M. Weinberg  
Professor of Philosophy,  
University of Michigan,  
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#### Jonathan Weisberg

Associate Professor  
of Philosophy,  
University of Toronto  
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### Teaching.....

#### Elizabeth Anderson

John Dewey  
Distinguished University Professor,  
University of Michigan,  
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