

# KONSTANTIN GENIN

Department of Philosophy  
University of Toronto  
Toronto, ON

✉ konstantin.genin@gmail.com  
☎ +1 718.637.1493  
🌐 konstantingenin.com

## AREA OF SPECIALIZATION

Epistemology, Philosophy of Science, Philosophy of Statistics and Machine Learning

## AREA OF TEACHING COMPETENCE

Political Philosophy, Rational Choice, Logic

## ACADEMIC POSITIONS

*Postdoctoral Fellow*, Department of Philosophy  
Faculty of Arts and Sciences, University of Toronto.

September 2018-Present

## EDUCATION

*Doctor of Philosophy*, Logic, Computation and Methodology  
Department of Philosophy, Carnegie Mellon University  
Dissertation Title: *The Topology of Statistical Inquiry*.  
Dissertation Advisor: Kevin T. Kelly.

August 2018

*Master of Science*, Logic, Computation and Methodology  
Department of Philosophy, Carnegie Mellon University  
Thesis Title: *Theory Choice, Theory Change, and Inductive Truth-Conduciveness*.  
Thesis Advisor: Kevin T. Kelly.

January 2015

*Bachelors of Arts*, Mathematics and Philosophy  
Departments of Mathematics and Philosophy resp., Brown University  
Magna Cum Laude

May 2009

## PUBLICATIONS

Konstantin Genin, Kevin T. Kelly. Learning, Theory Choice, and Belief Revision. *Studia Logica*, 2018. doi:10.1007/s11225-018-9809-5

Konstantin Genin, Kevin T. Kelly. The Topology of Statistical Verifiability. In Jérôme Lang, ed., *Proceedings of the Sixteenth Conference on Theoretical Aspects of Rationality and*

*Knowledge* (TARK), pages 236-250, 2017. doi:10.4204/EPTCS.251.17

Kevin T. Kelly, Konstantin Genin, Hanti Lin. Realism, Rhetoric, and Reliability. *Synthese* 193.4:1191-1223, 2016. doi:10.1007/s11229-015-0993-9

Konstantin Genin, Kevin T. Kelly. Theory Choice, Theory Change, and Inductive Truth-Conduciveness. In R. Ramanujam, ed., *Proceedings of the Fifteenth Conference on Theoretical Aspects of Rationality and Knowledge* (TARK), pages 111-121, 2015.  
URL: <https://www.imsc.res.in/tark/TARK2015-proceedings.pdf>

Kevin T. Kelly, Konstantin Genin. Complexity, Ockham's Razor, and Truth. In M. Lissack and A. Graber, ed., *Modes of Explanation: Affordances for Action and Prediction*. Palgrave Macmillan, 2014. doi:10.1057/9781137403865\_9

Ryan Carlson, Konstantin Genin, Martina Rau, Richard Scheines. Student Profiling from Tutoring System Log Data: When do Multiple Graphical Representations Matter? In S.K. D'Mello et. al. ed., *Proceedings of the 6th International Conference on Educational Data Mining* (EDM), 2013.

## WORKS IN PROGRESS

Konstantin Genin. *Replication as Diachronic Reliability*. (Article in progress)

Konstantin Genin. *Simplicity and Scientific Progress*. (Article in progress)

Konstantin Genin. *Progressive Methods for Causal Discovery*. (Article in progress)

Kevin T. Kelly, Konstantin Genin. *Simplicity, and Truth: A Topological Vindication of Inductive Inference and Ockham's Razor*. (Book in progress)

## TALKS

"Inductive vs. Deductive Statistical Inference" November, 2018  
26th Biennial Meeting of the Philosophy of Science Association,  
Seattle, Washington.

"The Topology of Statistical Inquiry" October 20, 2018  
Workshop on Logic, Information, and Topology, CMU, Pittsburgh.

"Progressive Methods for Causal Discovery" September 22, 2018  
Workshop on Foundations of Causal Discovery, CMU, Pittsburgh.

"Topological Epistemology of Science" June 23-29, 2018

with Kevin T. Kelly,  
North American Summer School of Logic, Language and Information (NASSLLI),  
CMU, Pittsburgh.

“Simplicity and Scientific Progress” June 2-3, 2018  
7th CSLI Workshop on Logic, Rationality, and Intelligent Interaction,  
Stanford, California.

Reply to “Two Cheers for Akrasia” (Kevin Dorst) January 2018  
Meeting of the American Philosophical Association Eastern Division,  
Savannah, Georgia.

“The Topology of Statistical Verifiability” July 2017  
*XVI<sup>th</sup>* Conference on Theoretical Aspects of Rationality and Knowledge,  
University of Liverpool.

“How Inductive is Bayesian Conditioning?” July 2017  
Workshop in Experience and Updating,  
University Bochum, Germany.

“The Topology of Statistical Inquiry.” June 2017  
Workshop in Philosophy and Physical Computing,  
Virginia Tech, Blacksburg (Invited Talk).

“What is Statistical Deduction?” June 2017  
Workshop in Modality and Method,  
CMU, Pittsburgh.

Reply to “Credal Omniscience and Relevance Confirmation.” (Joel Pust) March 2017  
Meeting of the American Philosophical Association Central Division,  
Kansas City.

“Deduction, Induction, Statistics and Topology.” November 2016  
with Kevin T. Kelly,  
Workshop in the Logical Structure of Correlated Information Change,  
Institute for Logic, Language and Computation, Amsterdam.

“A Topological Explanation of Empirical Simplicity.” November 2016  
with Kevin T. Kelly,  
Philosophy of Science Association Meeting,  
Atlanta.

“Deduction, Induction, and Statistical Inference.” September 2016  
with Kevin T. Kelly,  
Philosophy of Scientific Experimentation 5,

University of Belgrade.

“Simplicity and Scientific Questions.” June 2016  
Questions and Attitudes Workshop,  
Carnegie Mellon Univeristy, Pittsburgh.

“Theory Choice, Theory Change, and Inductive Truth Conduciveness.”

1. Bristol-Gröningen Conference in Formal Epistemology, July 2015  
University of Bristol.
2.  $XV^{th}$  Conference on Theoretical Aspects of Rationality and Knowledge, June 2015  
Carnegie Mellon.
3. Formal Epistemology Workshop, May 2015  
University of Washington, St. Louis.
4. CSLI Workshop on Logic, Rationality, and Intelligent Interaction, May 2015  
Stanford (Invited Talk).

“A Topological Theory of Empirical Simplicity.” November 2014  
with Kevin T. Kelly, Hanti Lin,  
Philosophy of Science Association Meeting,  
Chicago.

“Learning with Ockham: Simplicity in Inductive Inference.” October 2014  
Cool Logic Seminar,  
Institute for Logic, Language and Computation, Amsterdam.

“An Epistemic Justification of Ockham’s Razor” October 2014  
with Kevin T. Kelly,  
René Descartes Lectures,  
Tilburg University.

“The St. Petersburg Paradox.” July 2014  
with Remco Heesen,  
Swiss Institute Exhibition,  
New York City.

“Contraction and the Loss of True Belief.”  
with Ted Shear,

1. North American Summer School in Logic, Language, and Information, June 2014  
Univeristy of Maryland, College Park.
2. Canadian Society for History and Philosophy of Science Meeting, May 2014  
St. Catherine’s, Ontario.

- |   |               |
|---|---------------|
| 3. Association of Symbolic Logic North American Meeting,<br>University of Colorado, Boulder.  | May 2014      |
| 4. Colombian Conference in Logic, Epistemology and Phil. of Science,<br>Universidad de Los Andes, Bogota.   | February 2014 |
| “Tracking and Statistical Knowledge.”<br>11th Annual Graduate Student Conference in Epistemology,<br>University of Miami.   | January 2014  |
| “When do Multiple Graphical Representations Matter?”<br>with Ryan Carlson, et. al.<br>Educational Data Mining Conference,<br>Memphis.                                     | July 2013     |
| “Empirical Simplicity, Efficient Inquiry, and Ockham’s Razor.”<br>with Kevin T. Kelly, Hanti Lin,<br>Workshop on the Logic of Simplicity,<br>Carnegie Mellon, Pittsburgh. | June 2013     |

## TEACHING EXPERIENCE

<i>Course Instructor</i> , Carnegie Mellon University	
Causation, Law and Social Policy	Spring 2018
Introduction to Political Philosophy	Summer 2017
Introduction to Philosophy	Fall 2016
Causation, Law and Social Policy	Spring 2016
Introduction to Philosophy	Summer 2015
Introduction to Philosophy	Summer 2014
<i>TA or Grader</i> , Carnegie Mellon University	
Philosophy of Science	Fall 2017
Social Structure, Public Policy and Ethics	Spring 2017
Philosophy of Religion	Spring 2014
Philosophy and Psychology	Fall 2013
Social Structure, Public Policy and Ethics	Spring 2013

## DISCIPLINARY SERVICE

Referee, <i>Synthese</i>	October 2018
Referee, <i>Journal for General Philosophy of Science</i>	April 2018
Referee, Sixth International Conference on Logic, Rationality and Interaction	May 2017
Referee, <i>Erkenntnis</i>	May 2017

Organizer, Pitt-CMU Grad Conference in Philosophy	March 2017
Referee, <i>Episteme</i>	December 2016
Referee, <i>Erkenntnis</i>	January 2016
Referee, <i>Ergo</i>	June 2015
Referee, <i>Erkenntnis</i>	May 2015
Referee, <i>British Journal for Philosophy of Science</i>	February 2015
Referee, <i>Studies in History and Philosophy of Science</i>	July 2014
Referee, <i>analytica</i>	December 2014
Referee, Pitt-CMU Grad Conference in Philosophy	Fall 2014
Program Committee, NASSLLI	Summer 2014

## MEMBERSHIPS

American Philosophical Association  
Philosophy of Science Association

## LANGUAGES

English — Native Speaker  
Russian — Fluent  
French — Intermediate  
German — Beginner

## OTHER WORK EXPERIENCE

Assistant Economist, Federal Reserve Bank of New York Financial Intermediation, Research and Statistics	Nov. 2010 - Jul. 2012
Software Developer, UBS Bank Fixed Income Analytics	Jul. 2009 - Nov. 2010