

KONSTANTIN GENIN

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AREA OF RESEARCH

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

ACADEMIC POSITIONS

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

September 2018-

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. Full and Partial Belief. In Pettigrew, Richard and Weisberg, Jonathan eds., *The Open Handbook of Formal Epistemology*. (Invited article in progress)

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

Kevin T. Kelly, Hanti Lin, Konstantin Genin. The Miracle Argument for Scientific Realism: A Learning Theoretic Vindication. (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 (2017-2020)

"Simplicity and Scientific Progress" February 2020
Symposium: "Epistemology Meets Philosophy of Statistics"
Central Division Meeting of the American Philosophical Association
Chicago, Illinois. (Invited Talk).

"Topological Learning Theory" June 2019
Workshop in Philosophy and Physical Computing,
Virginia Tech, Blacksburg. (Invited Talk).

<p>“Progressive Methods for Statistical Inquiry” Statistics Department Seminar, Washington University, St. Louis. (Invited Talk)</p>	<p>March 2019</p>
<p>“Inductive vs. Deductive Statistical Inference” 26th Biennial Meeting of the Philosophy of Science Association, Seattle, Washington.</p>	<p>November 2018</p>
<p>“The Topology of Statistical Inquiry” Workshop on Logic, Information, and Topology, CMU, Pittsburgh.</p>	<p>October 2018</p>
<p>“Progressive Methods for Causal Discovery” Workshop on Foundations of Causal Discovery, CMU, Pittsburgh.</p>	<p>September 2018</p>
<p>“Topological Epistemology of Science” with Kevin T. Kelly, North American Summer School of Logic, Language and Information (NASSLLI), CMU, Pittsburgh.</p>	<p>June 2018</p>
<p>“Simplicity and Scientific Progress” 7th CSLI Workshop on Logic, Rationality, and Intelligent Interaction, Stanford, California.</p>	<p>June 2018</p>
<p>Reply to “Two Cheers for Akrasia” (Kevin Dorst) Meeting of the American Philosophical Association Eastern Division, Savannah, Georgia.</p>	<p>January 2018</p>
<p>“The Topology of Statistical Verifiability” XVIth Conference on Theoretical Aspects of Rationality and Knowledge, University of Liverpool.</p>	<p>July 2017</p>
<p>“How Inductive is Bayesian Conditioning?” Workshop in Experience and Updating, University Bochum, Germany.</p>	<p>July 2017</p>
<p>“The Topology of Statistical Inquiry.” Workshop in Philosophy and Physical Computing, Virginia Tech, Blacksburg (Invited Talk).</p>	<p>June 2017</p>
<p>“What is Statistical Deduction?” Workshop in Modality and Method, CMU, Pittsburgh.</p>	<p>June 2017</p>
<p>Reply to “Credal Omniscience and Relevance Confirmation.” (Joel Pust) Meeting of the American Philosophical Association Central Division, Kansas City.</p>	<p>March 2017</p>