VICTOR VEITCH

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I am scientist working at the intersection of Machine Learning and Statistics. Currently, I am a Postdoctoral Research Scientist at Columbia University, working with Prof. David Blei and Prof. Peter Orbanz. I am particularly interested in the development of methods for learning using relational data.

EDUCATION

2013-2017 Ph.D. Statistics - University of Toronto
Advisor: Daniel Roy

2011-2013 Masters of Mathematics - University of Waterloo
Advisor: Joseph Emerson

2006-2011 Bachelor of Science - University of Waterloo

PUBLICATIONS AND PREPRINTS

Google Scholar · scholar.google.ca/citations?user=xkn_XZgAAAAJ&hl=en

2017 Exchangeable Modeling of Relational Data: Checking Sparsity, Train-Test Splitting, and Sparse Exchangeable Poisson Matrix Factorization.
V. Veitch, E. Sharma, Z. Naulet, and D. Roy. Submitted to thewebconf 2017

2017 Sampling perspectives on (sparse) exchangeable graphs.
C. Borgs, J. Chayes, H. Cohn, *V. Veitch*, arXiv.org/abs/1708.03237

2016 Sampling and estimation for (sparse) exchangeable graphs.
V. Veitch, D.M. Roy. arxiv.org/abs/1611.00843

2015 The class of random graphs arising from exchangeable random measures.
V. Veitch, D.M. Roy. arxiv.org/abs/1512.03099

2014 Contextuality supplies the magic for quantum computation.
M. Howard, J. Wallman, *V. Veitch*, J. Emerson. **Nature** 510, 351355. doi:10.1038/nature13460

2013 The whole is greater than the sum of the parts: on the possibility of purely statistical interpretations of quantum theory.
J. Emerson, D. Serbin, C. Sutherland, *V. Veitch*. arxiv.org/abs/1312.1345

2013 The resource theory of stabilizer quantum computation.
V. Veitch et al. **New J. Phys.** 16 013009 doi:10.1088/1367-2630/16/1/013009

2013 Efficient simulation scheme for a class of quantum optics experiments with non-negative Wigner representation.
V. Veitch et al. **New J. Phys.** 15 013037 doi:10.1088/1367-2630/15/1/013037

2013 Negative quasi-probability as a resource for quantum computation.
V. Veitch et al. **New J. Phys.** 14 113011 doi:10.1088/1367-2630/14/11/113011

OTHER INFORMATION

Employment

2016 · Intern at Microsoft Research New England
Advisors: Christian Borgs, Jennifer Chayes, and Henry Cohn

Selected Talks

2017 · Sampling and estimation for (sparse) exchangeable graphs
Invited talk at 11th Conference on Bayesian Nonparametrics. Paris, France.

2017 · Sampling and estimation for (sparse) exchangeable graphs
Invited talk at Bayesian Inference in Stochastic Processes. Milano, Italy.

2017 · (Sparse) exchangeable graphs and graph limits
Invited talk at Large Random Graphs. Bonn, Germany.

2017 · (Sparse) exchangeable graphs
Invited talk at McGill Statistics Seminar. Montreal, Canada.

2016 · Inference for Sparse Random Graphs
Invited talk at MIT CSAIL. Boston, United States.

Organizing

2016 · "Teaching with Shiny Apps" Workshop
Statistical Society of Canada meeting (with Alison Gibbs and John Braun)

Selected Awards and Honours

2017 · University of Toronto Statistics Doctoral Award for Excellence in Research

2016 · Best Oral Presentation at Statistical Society of Canada Meeting

2015 · Best Theory Poster at 10th Conference on Bayesian Nonparameterics

2015 · University of Toronto Statistical Sciences Teaching Assistant Award

2013 · University of Waterloo Outstanding Achievement in Graduate Studies

2013-2016 · NSERC PGS-D (National Science and Engineering Research Council doctoral award)

2011-2012 and 2012-2013 · Ontario Graduate Scholarship