

EMILIJA PERKOVIĆ

- CONTACT** Seminar for Statistics, Rämistrasse 101, 8092, Zürich, Switzerland
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- EDUCATION** **Ph.D. in Statistics at ETH Zurich** (2014-..) advised by Marloes H. Maathuis
M.Sc. in Statistics at ETH Zurich (2012-2014).
B.Sc. in Mathematics (Statistics) at the University of Belgrade (2008-2012).
- WORKING PAPERS AND PUBLICATIONS** Leonard Henckel, Emilija Perković and Marloes H. Maathuis (2017). “Graphical Criteria for Efficient Total Effect Estimation via Adjustment in Multivariate Gaussian Distributions”, Working paper.
Emilija Perković, Johannes Textor, Markus Kalisch and Marloes H. Maathuis (2016). “Complete Graphical Characterization and Construction of Adjustment Sets in Markov Equivalence Classes of Ancestral Graphs”. Minor revision under review at *Journal of Machine Learning Research*, available at [arXiv:1606.06903](https://arxiv.org/abs/1606.06903).
Emilija Perković, Markus Kalisch and Marloes H. Maathuis (2017). “Interpreting and Using CPDAGs with Background Knowledge”. In *Proceedings of the Thirty-Third Conference on Uncertainty in Artificial Intelligence (UAI-17)*. Plenary Talk.
Emilija Perković, Johannes Textor, Markus Kalisch and Marloes H. Maathuis (2015). “A Complete Generalized Adjustment Criterion”. In *Proceedings of the Thirty-First Conference on Uncertainty in Artificial Intelligence (UAI-15)*, pp 682-692.
- SOFTWARE** **Since 2014** Contributing author for the R package `pcalg`, available on [CRAN](https://CRAN.R-project.org/package=pcalg).
- AWARDS AND HONORS** **2017** Best Poster Award for “Characterizing and Constructing Adjustment Sets”, Poster Presentation at *SEMSTAT Statistical Network Science Workshop* in Eindhoven.
2012 - 2014 Swiss Government Excellence Scholarships For Foreign Students, Zurich, Switzerland.
2013 - 2014 “Fellowship for 475 best Serbian students studying abroad”. Foundation for Young Talents, Ministry of Youth and Sport, Belgrade, Serbia.
2011 - 2012 “Fellowship for 1000 best students of Serbia” Foundation for Young Talents, Ministry of Youth and Sport, Belgrade, Serbia.

TEACHING ASSISTANT	<p>Fall 2017 Seminar in Statistics: Computer Age Statistical Inference</p> <p>Spring 2017 Seminar in Statistics: Statistical Inference under Shape Restrictions</p> <p>Fall 2016 Fundamentals of Mathematical Statistics</p> <p>Spring 2016 Applied Multivariate Statistics</p> <p>Fall 2015 Applied Analysis of Variance and Experimental Design</p> <p>Spring 2015 Computational Statistics</p> <p>Fall 2014 Applied Statistical Regression</p>
STUDENTS	<p>2017 Leonard Henckel, co-advised his Master Thesis with Marloes Maathuis.</p>
ACADEMIC SERVICE	<p>2017 Referee for <i>ICML</i>, <i>NIPS</i>, <i>Annals of Statistics</i>.</p> <p>2016 Referee for <i>UAI Causation Workshop</i>.</p>
TALKS, POSTERS AND RESEARCH STAYS	<p>2017 “Interpreting and Using CPDAGs with Background Knowledge”, Plenary Talk and Poster at <i>UAI 2017</i> and Invited Talk and Poster at <i>UAI 2017 Causation Workshop</i>.</p> <p>2017 “Using background knowledge for the estimation of total causal effects”, Invited Talk at <i>European Meeting of Statisticians 2017</i>.</p> <p>2017 “Characterizing and Constructing Adjustment Sets”, Poster Presentation at <i>SEMSTAT Statistical Network Science Workshop</i> in Eindhoven, Best Poster Award.</p> <p>2016 “Characterizing and Constructing Adjustment Sets”, Invited Talk at <i>CM-Statistics 2016</i>.</p> <p>2016 “Graphical Characterization and Construction of Adjustment Sets in Markov Equivalence Classes of Ancestral Graphs”, Invited Speaker and Poster Presentation at <i>Statistical Causal Inference and Application to Genetics Workshop</i>, University of Montreal.</p> <p>Summer 2016 Research Program on Causal Inference and Applications to Genetics, Visiting Researcher at <i>CRM at the University of Montreal</i>.</p> <p>2016 “A Complete Generalized Adjustment Criterion”, Poster Presentation at <i>UK Causal Inference Meetings 2016</i>.</p> <p>2015 “A Complete Generalized Adjustment Criterion”, Poster Presentation at <i>UAI 2015</i>.</p>