

## Alisa Kirichenko

---

CONTACT INFORMATION	Department of Statistics University of Oxford 24-29 St Giles, Oxford, OX1 3LB, UK	alice.kirichenko@gmail.com +447721866945 www.akirichenko.com
RESEARCH INTERESTS	Nonparametric Bayesian statistics, asymptotic statistics, inference on graphs, theoretical understanding of machine learning methods.	
APPOINTMENTS	<b>Postdoctoral Researcher</b> University of Oxford, United Kingdom. <ul style="list-style-type: none"><li>• Topic: Bayesian inference for large networks.</li><li>• PI: Prof. dr. Judith Rousseau.</li></ul>	<b>2019 - present</b>
	<b>Postdoctoral Researcher</b> Centrum Wiskunde en Informatica (CWI), Amsterdam, the Netherlands. <ul style="list-style-type: none"><li>• Topic: Bayesian inference for misspecification problems.</li><li>• PI: Prof. dr. Peter Grunwald.</li></ul>	<b>2017 - 2019</b>
EDUCATION	<b>Ph.D. in Statistics</b> University of Amsterdam, the Netherlands. <ul style="list-style-type: none"><li>• Thesis: Asymptotic results in nonparametric Bayesian function estimation.</li><li>• Advisor: Prof. dr. Harry van Zanten.</li></ul>	<b>2013 – 2017</b>
	<b>M.Sc. in Mathematics</b> (with distinction) Saint Petersburg State University, Russia.	<b>2008 – 2013</b>
	<b>M.Sc. in Economics</b> (with distinction) Saint Petersburg Polytechnic University, Russia.	<b>2010 – 2013</b>
RESEARCH EXPERIENCE	<b>Visiting Researcher</b> Department of Statistics, Columbia University, New York, USA.	<b>Oct 2018</b>
	<b>Research Assistant</b> Research Institute of Mathematics and Mechanics, St. Petersburg, Russia.	<b>Jan – Jun 2012</b>
ACCEPTED JOURNAL PUBLICATIONS	[1] de Heide R., Kirichenko A., Grunwald P., Mehta N. (2020). SafeBayes for Generalized Linear Models, arXiv:1910.09227. <i>To appear in the proceedings of the 23d International Conference AISTATS 2020.</i>	
	[2] Kirichenko A. and van Zanten H. (2018). Minimax lower bounds for function estimation on graphs. <i>Electronic Journal of Statistics 12.1 (2018): 651-666.</i>	
	[3] Kirichenko A. and van Zanten H. (2017). Estimating a smooth function on a large graph by Bayesian Laplacian regularisation. <i>Electronic Journal of Statistics 11.1 (2017): 891-915.</i>	
	[4] Kirichenko A. and van Zanten H. (2015). Optimality of Poisson processes intensity learning with Gaussian processes. <i>Journal of Machine Learning Research 16 (2015):2909-2919.</i>	

	[5] Kirichenko A. A. and Nikitin Ya. Yu. (2014). Precise small deviations in $L_2$ of some Gaussian processes appearing in the regression context. <i>Central European Journal of Mathematics</i> 12(11), 1674-1686.
PREPRINTS	[6] Grunwald P. and Kirichenko A. (2019). Minimax bounds with optional stopping.
TEACHING	<p><b>Teaching Assistant</b> <span style="float: right;"><b>2012 – 2017</b></span></p> <ul style="list-style-type: none"> <li>• Probability Theory for Economics (Saint Petersburg State University).</li> <li>• Functional Analysis (University of Amsterdam).</li> <li>• Measure Theoretic Probability (University of Amsterdam).</li> </ul> <p><b>Private tutor</b> <span style="float: right;"><b>2008 – 2013</b></span></p> <ul style="list-style-type: none"> <li>• High-school and university level calculus, linear algebra, statistics, probability theory.</li> </ul>
INVITED TALKS	<ul style="list-style-type: none"> <li>• EYSM (European Young Statisticians Meeting), Belgrade, Serbia, 2019.</li> <li>• EcoSta (International Conference on Econometrics and Statistics), Hong Kong, 2018.</li> <li>• Workshop on community dynamics on Twitter during the election period: random graph analysis, Grenoble, France, 2018.</li> <li>• Delft seminar in Probability and Statistics, Delft, the Netherlands, 2017.</li> <li>• Workshop on Bayesian Methods for Networks, Cambridge, UK, 2016.</li> <li>• Google, London, UK, 2016.</li> </ul>
SELECTED CONTRIBUTED TALKS AND POSTERS	<ul style="list-style-type: none"> <li>• IMS Annual Meeting on Probability and Statistics, Lithuania, 2018.</li> <li>• EMS (European Meeting of Statisticians): <ul style="list-style-type: none"> <li>– The Netherlands, 2015; Finland, 2017; Italy 2019.</li> </ul> </li> <li>• BNP (Conference on Bayesian Nonparametrics): <ul style="list-style-type: none"> <li>– USA, 2015; France, 2017.</li> </ul> </li> <li>• ISBA (International Society for Bayesian Analysis) World Meeting: <ul style="list-style-type: none"> <li>– Italy, 2016.</li> </ul> </li> <li>• StatMathAppli (Statistique Mathématique et Applications), France, 2015.</li> <li>• Bayes Club seminar, the Netherlands, 2015.</li> <li>• Annual meeting of the Dutch probability and statistics community, the Netherlands, 2014.</li> <li>• Saint-Flour probability summer school, France, 2013.</li> </ul>
AWARDS	<p>Google @ISBA junior travel support grant for ISBA World Meeting, 2016.</p> <p>National academic scholarship, 2008–2013.</p>
REFeree SERVICE	Electronic Journal of Statistics, Bernoulli Journal, Journal of Statistical Planning and Inference, COLT, AISTATS.
COMPUTER SKILLS	R, Python, Latex, Mathematica.
LANGUAGES	English (fluent), Russian (native speaker).