Leonard Hasenclever

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Nationality	German

Research Interests

Bayesian statistics. Large scale machine learning. Deep learning.

Education

2014-	**OxWaSP Centre for Doctoral Training, University of Oxford**
	DPhil in Statistics
	2015-present: Research on Large Scale Bayesian Machine Learning supervised by Professor Yee Whye Teh
	2014-2015: Research teaching in a wide range of statistics and machine learning topic and courses in high performance computing
2010-2014	**Jesus College, University of Cambridge**
	BA (Hons) Mathematics with MMath
	Part III **Pass with Distinction**, **89/100**, **Wishart Prize** for the student of the highest distinction in statistics in Part III, focused on Probability and Statistics courses
	Part II **1st class**
	Part IB **1st class**
	Part IA **1st class**
2002-2010	**Wilhelm-Ostwald-Gymnasium Leipzig**
	German Abitur, Overall grade 1.0 (better than top 1% in my state), top of my year

Scholarships and Awards

2014-2018	EPSRC funding as part of the OxWaSP programme: stipend of about £14000 p.a plus tuition fees plus travel funds
2010-2015	Scholarship of Studienstiftung des deutschen Volkes (German National Academic Foundation) - the value of the scholarship was € 3600 p.a. plus tuition fees.
2014	Wishart Prize for the student of the highest distinction in statistics in Part III of the Mathematical Tripos at Cambridge.
2014	R A Watchman Prize (Jesus College, Cambridge)
2012-2014	College Scholarship (Jesus College, Cambridge)
2011	College Foundation Exhibition (Jesus College, Cambridge)
2011	Bronowski Prize (Jesus College, Cambridge)

Teaching

2016	Tutor for one-to-one tutorials for Statistical Data Mining and Machine Learning (master's level course)
2016	Class tutor and teaching assistant for Statistical Data Mining and Machine Learning (master's level course)

2016	Tutor for an Introduction to Quantitative Finance workshop at the Cambridge Coding Academy
2015	Teaching assistant for the OxWaSP module on Statistical Computing (R programming support)

Publications

Preprints

[1] L. Hasenclever, S. Webb, T. Lienart, S. Vollmer, B. Lakshminarayanan, C. Blundell, and Y. W. Teh, "Distributed Bayesian learning with stochastic natural-gradient expectation propagation and the posterior server," ArXiv e-prints: 1512.09327, 2016.

[2] X. Lu, V. Perrone, L. Hasenclever, Y. W. Teh, and S. J. Vollmer, "Relativistic Monte Carlo," ArXiv e-prints: 1609.04388, 2016.

Journal Articles

[1] W. Hordijk, L. Hasenclever, J. Gao, D. Mincheva, and J. Hein, "An investigation into irreducible autocatalytic sets and power law distributed catalysis," *Natural Computing*, vol. 13, no. 3, pp. 287–296, 2014, ISSN: 1572-9796. DOI: 10.1007/s11047-014-9429-6. [Online]. Available: http://dx.doi.org/10.1007/s11047-014-9429-6.

[2] S. S. Pegler, K. N. Kowal, L. Q. Hasenclever, and M. G. Worster, "Lateral controls on grounding-line dynamics," *Journal of Fluid Mechanics*, vol. 722, no. 5929, R1, 2013, ISSN: 0022-1120. DOI: 10.1017/jfm.2013.140. [Online]. Available: http://www.journals.cambridge.org/abstract{_}S0022112013001407.

Editorial activity

2016	Reviewer for Neural Information Processing Systems 2016

Computational Skills

Julia, Python, R, C, C++, Tensorflow

Languages

German (native), English (fluent), French (basic)