

DOMINIC RICHARDS

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<https://dominicrichards.github.io/>

EDUCATION

St Peters College, University of Oxford, United Kingdom 2016-
DPhil Statistical Science (EPSRC and MRC Center for Doctoral Training)
Supervisors: Patrick Rebeschini and Yee Whye Teh

University of Warwick, United Kingdom 2012-2016
MMORSE | Classification: 1st
Supervisor: Adam Johansen

Coleg Gwent Crosskeys College, United Kingdom 2010-2012
A-Levels (WJEC) | A*A*A*a
Mathematics, Further Mathematics, Physics and Chemistry (As)

RESEARCH INTERESTS

Statistical Learning Theory, Decentralised Machine Learning, Implicit Regularisation

PAPERS

Decentralised Sparse Multi-Task Regression
URL: <https://arxiv.org/abs/1912.01417> (D. Richards, S. N. Negahban and P. Rebeschini).

Optimal statistical rates for decentralised non-parametric regression with linear speed-up
NeurIPS 2019 (D. Richards and P. Rebeschini).

Graph-dependent implicit regularisation for distributed stochastic subgradient descent
URL: <https://arxiv.org/abs/1809.06958> (D. Richards and P. Rebeschini).

EXPERIENCE

G-Research August - September 2016
Quantitative Research Intern London, United Kingdom

- Nine week internship, researching mid to long term trading strategies
- Generating and back testing potential portfolios from raw stock data
- Presenting results of various strategies to the wider team

Zurich Insurance June - September 2015
Actuarial Reserving Intern Whiteley, United Kingdom

- Twelve week internship, as a part of Personal Lines and Vision 2020 teams
- Optimising reserving process, automating through VBA and SQL
- Presenting two projects, wider business awareness and internship project

TEACHING EXPERIENCE

University of Oxford, Department of Statistics January - March 2018
Teaching Assistant for SB1b/SM2 Computational Statistics Oxford, United Kingdom
Instructor: Francois Caron

University of Oxford, Lady Margaret Hall October - December 2017
Tutor for Prelims Probability Oxford, United Kingdom
Instructor: Paul Chleboun

COMPUTER SKILLS

Python, R, \LaTeX , C/C++