

Jack Grimes

jackgrimes.uk | jack@jackgrimes.uk
London, UK

EDUCATION

IMPERIAL COLLEGE LONDON
PHD ENGINEERING/EPIDEMIOLOGY
Sep 2015 | London, UK

IMPERIAL COLLEGE LONDON
MSC ENVIRONMENTAL ENGINEERING
AND SUSTAINABLE DEVELOPMENT
Sep 2011 | London, UK

UNIVERSITY OF OXFORD
BA PHYSICS
Sep 2010 | Oxford, UK

LINKS

Github: [jackgrimes](https://github.com/jackgrimes)
LinkedIn: [jackgrimes](https://www.linkedin.com/in/jackgrimes)
Google Scholar: [HZLogpQAAAAJ](https://scholar.google.co.uk/citations?user=HZLogpQAAAAJ)

COURSES

Bayesian Statistics: From Concept to Data Analysis (Coursera, University of California, Santa Cruz)

Deep Learning Specialization (Coursera, deeplearning.ai)

Machine Learning (Coursera, Stanford University)

Learn SQL (Codecademy)

SQL: Table Transformation (Codecademy)

SQL: Analyzing Business Metrics (Codecademy)

Learn Python 2 (Codecademy)

SKILLS

PROGRAMMING

Very familiar:

Python • R • Git/GitHub
Matlab/Octave

Familiar:

SQL • VBA • Javascript • HTML
CSS • \LaTeX

PLATFORMS

Google Cloud Platform • Domino

EXTENDED CV

A more detailed version of my CV can be found on my [website](#)

EXPERIENCE

LLOYDS BANKING GROUP | DATA SCIENTIST, MACHINE INTELLIGENCE PROGRAMME

Jan 2019 - Present | London, UK

- Predominantly using Python, git, PyCharm, Jenkins, pandas, spaCy, sklearn, pytest, NetworkX
- Natural Language Processing models and network analysis
- High-quality (efficient and readable), production-ready unit-tested code
- Running the Modelling Interest Group, organising sessions about interesting modelling topics
- Planning the Advanced Modelling and Natural Language Processing parts of the graduate scheme training programme

LLOYDS BANKING GROUP | DATA SCIENTIST, RISK INNOVATION
Aug 2017 - Dec 2018 | London, UK

- Predominantly using Python, git, SAS VA, Flask
- Predictive analytics using pandas, sklearn
- Topic modelling using gensim, Latent Dirichlet allocation, SAS VA
- Line-management of an intern
- Presented my work widely, at internal conferences throughout the UK

RESEARCH

IMPERIAL COLLEGE LONDON | POSTDOCTORAL RESEARCHER
Jan 2016 - Jul 2017 | London, UK

- Mixed effects logistic regression to compare environmental risk factors, parasites, and overall health, using R and lme4 ([paper](#))
- Using parasite infection intensity and Box-Cox transformations, for more accurate estimations of parasite infection prevalence, using R

IMPERIAL COLLEGE LONDON | PHD RESEARCH
Mar 2012 - Dec 2015 | London, UK

Thesis: *An investigation into the roles of water, sanitation, and hygiene in the control of schistosomes and other helminths*

- Systematic review and meta-analysis ([paper](#))
- GIS and Spatial Statistics using R and ArcGIS
- Non-parametric Statistics using R
- Primary data collection in surveys: training and supervision of 41 data collectors, data collected from over 100,000 children in over 2,000 schools
- Supervision of 2 M.Sc. students during my PhD work (and, more recently, an MEng student in 2020)
- Fieldwork: spent around 6 months of my PhD in Ethiopia - supervising data collection but also negotiating contracts, obtaining equipment, hiring staff etc
- First author of 6 papers, also contributed to 5 more (see [Google Scholar](#))

AWARDS

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|------|---------------------------|---|
| 2016 | Best Presentation | Wellcome Centre for Global Health Research Annual Meeting |
| 2009 | Collections (exams) prize | University of Oxford |