

Jack Grimes

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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.com/citations?user=HZLogpQAAAAJ)

COURSES

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

Deep Learning Specialization (Coursera,
[deeplearning.ai](https://www.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

EXPERIENCE

LLOYDS BANKING GROUP | DATA SCIENTIST, MACHINE INTELLIGENCE PROGRAMME

Jan 2019 - Present | London, UK

- Predominantly using Python, Git, PyCharm, Jenkins, pandas, spaCy, scikit-learn, pytest, NetworkX
- Natural language processing (NLP), network analysis, classification, clustering
- Speech-to-text using deepspeech
- High-quality (efficient and readable), production-ready unit-tested code
- Running the Modelling Interest Group, organising sessions about interesting modelling topics
- Planning and delivering the Advanced Modelling and Natural Language Processing parts of the Data Science 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, scikit-learn
- Fraud prevention using face_recognition
- 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](#))

EXTENDED CV

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

AWARDS

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