

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: [jacketgrimes](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

MORSUM | SENIOR DATA SCIENTIST

March 2021 - Present | London, UK

- CI/CD pipelines using GitHub Actions

LLOYDS BANKING GROUP | DATA SCIENTIST, MACHINE INTELLIGENCE PROGRAMME

Jan 2019 - March 2021 | London, UK

- Predominantly using Python, Git, PyCharm, Jenkins, pandas, spaCy, scikit-learn, pytest, NetworkX
- Natural language processing (NLP), network analysis, classification, clustering
- 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*

- Statistical analyses in R, and systematic review and meta-analysis ([paper](#))
- Presentations at the American Society of Tropical Medicine and Hygiene Annual Meetings (2012, 2013 and 2016) and many other conferences
- Fieldwork: around 6 months in Ethiopia
- Supervision of 2 M.Sc. students during my PhD work (and, more recently, an MEng student in 2020)
- 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