Dominic Owens

Bristol

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https://dom-owens-uob.github.io/

EDUCATION

University of Bristol   Bristol

PhD Computational Statistics, COMPASS CDT   *2019-2023*

- Research interests: Time series analysis, High-Dimensional statistics, Change point analysis
- Research-focused taught courses covering statistical learning theory, methods, and computation. Topics include: Multivariate Analysis, Penalised Regression, Gaussian Process Regression and Classification, Optimisation, Parallel Computing

University of Bristol   Bristol

BSc Mathematics with Statistics (First Class)   *2016-2019*

INTERNSHIPS

CheckRisk   Bath/Bristol

Research Intern   *Summer 2021*

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Data Cubed   Bristol

Data Science Intern   *Summer 2019*

- Created a reusable rshiny app for fitting Random Forest models for use by Data Analysts
- Built statistical machine learning models for clients' prediction problems using large datasets
- Communicated findings to business and non-technical audiences

RESEARCH

- In Progress: Topics in multiple change point detection for multivariate/ high-dimensional/autoregressive time series
- Software: Changepoints.jl Julia package
- MRes-equivalent Project: MOSUM Methods for Multiple Change Point Analysis in Causal Networks
- Undergraduate Project: Mathematical Survival Analysis

TEACHING

- Teaching Assistant, Theory of Inference

EXTRACURRICULAR EXPERIENCE

University of Bristol University Challenge

Team Member   *2020*

University of Bristol Film Society

Former President, Secretary, and Treasurer

PROGRAMMING

- **Languages**: R (Package development, Parallel, OOP/Functional, Rcpp), C++, Julia, Python
- **Technologies**: Git, Linux, HPC, LaTeX

PERSONAL INTERESTS

Current Affairs, Economics, and Politics

Film

Sport (Running, Football)