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, Non-Parametric statistics, Selective Inference
  - Currently researching change-point analysis for network time series, using VAR models
  - 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 — *2016-2019*
  - First Class. Topics include: Bayesian Modelling, Time Series Analysis

Experience

- **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
- **Quarter Ltd.** — Bristol
  Revenue Assistant (Part-time) — *Oct 2018 – Sept 2019*
  - Responsible for implementing the pricing strategy for hotel chain
  - Reviewed and enacted a new quote pricing model for short let properties based on Airbnb data.

Research and Teaching

- In Progress: Multiple Change Point Analysis for Vector Autoregressive Time Series
- In Progress: 'mosum' package update https://cran.r-project.org/web/packages/mosum/index.html
- MRes-equivalent Project: MOSUM Methods for Mutliple Change Point Analysis in Causal Networks
- Undergraduate Project: Mathematical Survival Analysis

Extracurricular Experience

- **University of Bristol University Challenge**
  Team Member — *To air 2020*
- **University of Bristol Film Society**
  Treasurer, President, Secretary
  - Student Union film interest group, hosting film screenings and social events
  - Longest serving committee member in the society's history

Programming

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

Personal Interests

Current Affairs, Economics, and Politics
Film
Sport (Running, Football)