

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
 - Developed GDP nowcasting method based on a non-stationary dynamic factor model, with a novel change point method. Publication to follow.
- **Data Cubed** Bristol
Data Science Intern Summer 2019
 - Created a reusable rshiny app for fitting Random Forest models for use by Data Analysts.

RESEARCH

- In Progress: Topics including: multiple change point detection for multivariate/high-dimensional/autoregressive time series; Generalised Dynamic Factor Models;
- 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](#) , [Statistical Computing and Empirical Methods](#)

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; Music; Sport (Running, Football)