

Dominic Owens

Bristol

domowens1@gmail.com

<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

- MRes-equivalent Project: MOSUM Methods for Multiple Change Point Analysis in Causal Networks
- Undergraduate Project: Mathematical Survival Analysis

EXTRACURRICULAR EXPERIENCE

- **University of Bristol University Challenge** To air 2020
Team Member
- **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)