

# Dominic Owens

Bristol

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

## EDUCATION

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- **University of Bristol** Bristol  
*PhD Computational Statistics, COMPASS CDT* 2019-2023
  - Research interests: Time Series Analysis, High-Dimensional statistics, Non-Parametric statistics, Selective Inference
  - 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

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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
- **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

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- In Progress: Multiple Change Point Analysis for Vector Autoregressive Time Series
- In Progress: **'mosum' package update**
- MRes-equivalent Project: MOSUM Methods for Multiple Change Point Analysis in Causal Networks
- Undergraduate Project: Mathematical Survival Analysis

## TEACHING

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- Teaching Assistant, **Theory of Inference**

## EXTRACURRICULAR EXPERIENCE

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- **University of Bristol University Challenge** 2020  
*Team Member*
- **University of Bristol Film Society**  
*Former President, Secretary, and Treasurer*

## PROGRAMMING

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

## PERSONAL INTERESTS

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Current Affairs, Economics, and Politics

Film

Sport (Running, Football)