
Olivia Kate Bryant

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London School of Hygiene and Tropical Medicine / M.Sc. Health Data Science Sept 2021 - 2022
Recipient of Health Data Science Research UK Studentship covering tuition fees and a stipend.

- Elected as Student Representative for the Health Data Science course.
- Student Liaison Officer for the Centre of Mathematical Modelling of Infectious Diseases.

Dissertation project: Indirect effects of COVID-19 on primary care contacts during regional restrictions and Winter 2021 lockdown using CPRD Aurum data.

Harvard University / A.B. Statistics Sept 2017 - May 2021
Data Science Track. GPA: 3.6/4.0 (equivalent to high 2.1)

Experience

LSHTM and UCB / MSc Data Consulting Project Jan – Feb 2022

- Responsible for collating data from multiple data sources using data linkage techniques, using version control via GitHub to collaborate.
- Implemented a seasonally-adjusted linear model to examine pre-COVID trends in prescription rates across NHS England Regions and CCGs in R.
- Produced high-quality visualisations in ggplot2 and created an RShiny exploratory tool for UCB.

Big Data Institute, University of Oxford / Research Assistant July – Sept 2021

- Conducted censored interval analysis to estimate the incubation period for malaria in R.
- Created interactive network D3.js visualisations of infection clusters of COVID-19 in South Korea, China, and Hong Kong from large open data sources.

Redfield & Wilton Strategies / Research Analyst June 2020 – June 2021

Lead Research Analyst focusing on British, US, and Asian political research, working part time alongside my undergraduate degree. Covered the 2020 US Presidential Election and London Mayoral Election.

- Drafted and conducted polls on behalf of media outlets including The Telegraph, The Spectator, The BBC, and The New Statesman.
- Authored in-depth reports analysing patterns and changes in voting intention. Produced Tableau dashboards and visualisations with ggplot.
- Edited colleagues' pieces for publication. Managed several undergraduate interns, ensuring research projects were delivered within a tight timeframe.

Harvard School of Engineering and Applied Sciences / Teaching Fellow Sep 2019 – Dec 2020

- Graded homework, exams, and led labs for a data visualisation class that focused on D3.js and Tableau.
- Held weekly office hours to review concepts and help debug code. Obtained 100% 'excellent' ratings on teaching evaluations for the semester of Fall 2019.

Harvard Open Data Project / Director of Internal Relations, Team Lead May 2018 – May 2020

- Organised a Datathon twice a year attended by over 100 undergraduate students featuring top speakers from industry and academia.
- Obtained over \$2000 of funding through university grants and external sponsorship and founded a mentoring scheme matching new members with upperclassmen to provide careers advice.

Awards

Health Data Research UK MSc Studentship (2021), (ISC)² Undergraduate Information Security Scholarship (2017), full undergraduate scholarship to Harvard University (2017-2021), First Prize in the Newnham College Cambridge Engineering Essay Competition (2017)

Technical Skills

Proficiency in Python (including NumPy, sklearn, Pandas), R (including caret, ggplot2), Tableau, JavaScript (including D3.js), LaTeX, Excel, PostgreSQL, git and version control, ArcGIS Pro

References available on request