

PAUL JOHNSON

DATA SCIENTIST WITH EXPERIENCE IN HEALTHCARE, SPORTS ANALYTICS, AND SOCIAL SCIENCE

I am a data scientist based in London, currently working for the NHS South, Central and West CSU in Population Health Management. I am interested in using causal inference and machine learning to help create actionable insights and shape business decisions.

EDUCATION

- | | | |
|-------------------|---|-------------------|
| 2020

2017 | ● M.A. Political Science
University of Houston | 📍 Houston, TX |
| 2012

2011 | ● M.Sc. Global Politics
University of Southampton | 📍 Southampton, UK |
| 2011

2008 | ● B.A. Politics
University of Sussex | 📍 Brighton, UK |

SELECTED WORK EXPERIENCE

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|---|--|----------|
| Present

2021 | ● Principal Data Scientist
NHS South, Central and West CSU | 📍 Remote |
| <ul style="list-style-type: none">• Providing technical expertise in analytics and research-focused projects across the organization, including experimental and observational analysis of healthcare interventions.• Building and deploying machine learning models that forecast the daily event counts in A&E and other Urgent and Emergency Care Services.• Leading the development of organisational expertise in data science, including demonstrating and training colleagues in statistics, machine learning, and programming.• Supporting the development of the organisation's infrastructure for developing and deploying data science. | | |
| 2021

2021 | ● Associate BI Consultant
NHS South, Central and West CSU | 📍 Remote |
| <ul style="list-style-type: none">• Led research on the wider determinants of health inequalities and the role of deprivation in health outcomes• Supported the Population Health Management team with research design, statistical modeling, and communication and visualization of findings | | |



View this CV online with links at
pauljohnson.net/cv

CONTACT

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in [paulj1989](https://www.linkedin.com/in/paulj1989)
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🌐 pauljohnson.net

SKILLS

Analytics: Statistics (Frequentist & Bayesian), Data Visualisation, Causal Inference, Machine Learning, Forecasting

Languages: Python, R, SQL

Packages: tidyverse, tidymodels, fable, lme4, brms, rstanarm, Shiny, pandas, sklearn, Optuna, spaCy, keras

Tools: Git, Docker, Quarto, GitHub Actions, DVC, RStudio Workbench & Connect

2020
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2017



Graduate Research/Teaching Assistant

University of Houston

📍 Houston, TX

- Built natural language processing models for research into political language in legal texts
- Supported the Political Party Database Project in the administering of the expert survey and maintenance of the project website
- Courses: Intro to Comparative Politics, Mexican Politics, Comparative Elections, Media & Politics

2017
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2016



Fundraising Manager: Product Innovation

Marie Curie

📍 London, UK

- Managed Marie Curie's biggest regular fundraising campaign (Fundraising My Way)
- Assisted the development of new fundraising products and the innovation of existing campaigns

2016
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2015



Events & Corporate Fundraiser

World Child Cancer

📍 London, UK

- Developed, recruited, and managed the charity's largest charity event to-date (Kilimanjaro trek) and various major events (Ride 100, Great North Run)
- Supported the Head of Corporate Fundraising in the successful corporate partnership with Deutsche Bank



FURTHER WORK EXPERIENCE

2015
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2012



Various Administrative Roles

Charity Sector & NHS

📍 UK

- Family for Every Child – Events Coordinator
- University Hospital Southampton – Oncology Outpatient Clerk
- University Hospital Southampton – Income Management Assistant



PUBLICATIONS & SELECTED RESEARCH

2020



The Nationalization of Mexican Parties

P Johnson & F Cantu. (2020). *Politica y Gobierno*. 27 (2).

- Measuring the static and dynamic nationalization of Mexican parties, and the importance of national, state, and district factors in explaining the variance of the parties' electoral support.

2020



Hypothesis Testing for Reliability Statistics: A Permutation Approach

P Johnson & J Kirkland

- Using a series of Monte Carlo studies to demonstrate how researchers can leverage permutation approaches to hypothesis testing for evaluating the statistical reliability of a latent scale.

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& [pagedown](#).

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