




# PAUL JOHNSON




## QUANTITATIVE SOCIAL SCIENTIST DATA SCIENCE & MACHINE LEARNING

I am a social scientist and data scientist based in London. My academic research has focused on party and party system change in established political systems. Professionally, I am interested in using statistical methods and machine learning for modeling human behavior and the social world.

### EDUCATION

- 2020**  
|  
**2017**  
● **M.A. Political Science**  
University of Houston  Houston, TX
  - Dissertation: When & Why Do Politicians Defect from Their Party and Form Spin-Offs?
- 2012**  
|  
**2011**  
● **M.Sc. Global Politics**  
University of Southampton  Southampton, UK
- 2011**  
|  
**2008**  
● **B.A. Politics**  
University of Sussex  Brighton, UK

### SELECTED WORK EXPERIENCE

- 2020**  
|  
**2018**  
● **Graduate Research Assistant**  
University of Houston  Houston, TX
  - Built natural language processing models for political science research, developing the source code and data collection processes to aid productive research
  - Led the research project's methodological exploration and development
  - Supported the Political Party Database Project Survey
  - Maintained the PPDB website, including the expansion of the available data
- 2020**  
|  
**2017**  
● **Graduate Teaching Assistant**  
University of Houston  Houston, TX
  - Courses: Intro to Comparative Politics, Mexican Politics, Comparative Elections, Media & Politics
- 2017**  
|  
**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
  - Maintained regular organization-wide communication about innovations in and around the fundraising sector



View this CV online with links at  
[pauljohnson.net/cv](http://pauljohnson.net/cv)

### CONTACT

✉ [paul@pauljohnson.net](mailto:paul@pauljohnson.net)  
🐦 [paul\\_johnson89](https://twitter.com/paul_johnson89)  
in [paulj1989](https://www.linkedin.com/in/paulj1989)  
📺 [paulj1989](https://www.youtube.com/channel/UCpaulj1989)  
🌐 [pauljohnson.net](http://pauljohnson.net)

### SKILLS

**Analytical:** Statistical Modeling, Causal Inference, Machine Learning, Deep Learning, NLP

**Programming:** R, Python, SQL

**Packages:** tidyverse, tidymodels, shiny, plotly, Dash, pandas, numpy, sklearn, spaCy, nltk, Tensorflow, Keras

**Tools:** Git, Docker, AWS

CV built using [datadrivencv](https://datadrivencv.com) &  
[pagedown](https://pagedown.com).

Last updated on 2021-03-07.

2016  
|  
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  
|  
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



## SELECTED PUBLICATIONS

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 between 1994 - 2018 and the importance of national, state, and district factors in explaining the variance of the parties' electoral support.



## ONGOING RESEARCH

### ● **Hypothesis Testing for Reliability Statistics: A Permutation Approach**

P Johnson & J Kirkland

- Demonstrating permutation approaches for evaluating reliability, using a series of Monte Carlo studies.

### ● **Analyzing Bulgarian Constitutional Courts Using Natural Language Processing**

L Tiede, T Bagashka, S Chappa, P Johnson

- Using natural language processing methods to test the presence of political language in Bulgarian constitutional court cases.

### ● **How does the Presence of a Publicly Funded News Broadcast Affect Trust in News Media?**

P Johnson & B Sullivan

- Carrying out a cross-national analysis studying the presence of publicly funded news and public trust in the news media.