

Paul Johnson

QUANTITATIVE SOCIAL SCIENTIST

Houston, Texas

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I am a political scientist focusing on parties, elections, and quantitative research methods. In my spare time I am also interested in the statistical analysis of football (soccer). The overarching theme that ties my scientific and analytics interests together is the analysis of interesting, complex questions using big data and machine learning techniques. I am seeking a career in data science, sports analytics, and machine learning.

Skills

Quantitative Methods	Statistical Modelling, Machine Learning, Deep Learning, NLP, Clustering (K-means), Boosting (XGBoost)
Programming Languages	R, Python, SQL, Javascript, HTML, Bash
Packages	tidyverse, shiny, pandas, numpy, sklearn, spaCy, nltk, Tensorflow, Keras, d3.js
DevOps Tools	Git, Docker, AWS, Travis CI
Languages	English (Native), French (Intermediate)

Selected Work Experience

University of Houston GRADUATE RESEARCH ASSISTANT <ul style="list-style-type: none">Built natural language processing models for political science researchDeveloped coding and data structure for productive researchLed the research project's methodological exploration and development	Houston, TX 2018 – 2020
University of Houston GRADUATE RESEARCH ASSISTANT <ul style="list-style-type: none">Supported the Political Party Database Project SurveyMaintained the PPDB website, including the expansion of the available data	Houston, TX 2018
University of Houston GRADUATE TEACHING ASSISTANT <ul style="list-style-type: none">Courses: Intro to Comparative Politics, Mexican Politics, Comparative Elections, Media & Politics	Houston, TX 2017 – 2019
Marie Curie FUNDRAISING MANAGER: PRODUCT INNOVATION <ul style="list-style-type: none">Managed Marie Curie's largest ongoing fundraising campaign (Fundraising Your Way)Developed new and innovated existing fundraising products/campaignsMaintained regular newsletter updating Marie Curie employees (within fundraising and beyond) about developments in and around the sector	London, UK 2015 – 2017
World Child Cancer EVENTS & CORPORATE FUNDRAISER <ul style="list-style-type: none">Developed, recruited, and managed the charity's largest charity event to-date (Kilimanjaro trek)Supported the Head of Corporate fundraising in the successful corporate partnership with Deutsche BankManaged various important charity events (London Marathon, Ride 100, Great North Run)	London, UK 2014 – 2015

Education

University of Houston M.A. POLITICAL SCIENCE <ul style="list-style-type: none">Dissertation Title: "When & Why Do Politicians Defect from Their Party and Form Spin-Offs?"	Houston, TX 2017 – 2020
University of Southampton M.Sc. GLOBAL POLITICS	Southampton, UK 2011 – 2012
University of Sussex B.A. POLITICS	Brighton, UK 2008 – 2011

Awards

Cullen Fellowship

GRADUATE STUDENT TRAVEL GRANT

Houston, TX

2019

Graduate School

GRADUATE ASSISTANTSHIP

Houston, TX

2017 – 2020

College of Liberal Arts and Social Sciences

SUMMER RESEARCH ASSISTANTSHIP

Houston, TX

2018 – 2020

College of Liberal Arts and Social Sciences

SCHOLARSHIP IN LATIN AMERICAN POLITICS

Houston, TX

2017 – 2018

Certificates

University of Helsinki

ELEMENTS OF AI

Online

2020

Research

PUBLISHED RESEARCH

Johnson, P., & Cantu, F. (2020). The nationalization of mexican parties. *Politica Y Gobierno*, 27(7).

ONGOING RESEARCH

P Johnson & J Kirkland – *Hypothesis Testing for Reliability Statistics: A Permutation Approach*

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

L Tiede, T Bagashka, S Chappa, **P Johnson** – *Analyzing Bulgarian Constitutional Courts Using Natural Language Processing*

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

P Johnson & B Sullivan – *How does the Presence of a Publicly Funded News Broadcast Affect Trust in News Media?*

- Carrying out a cross-national analysis of the relationship between the presence of a prominent and popular publicly funded news media outlet and levels of public trust in the news media.