

GabrielMichael

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Web

www.gabrielj michael.com

Twitter

[@gabrielj michael](https://twitter.com/gabrielj michael)

LinkedIn

linkedin.com/in/gjmichael

GitHub

github.com/langelgjm

programming

Python

R

SQL

Bash + regex

VBA

skills

Linux

AWS

luigi

pandas

scikit-learn

NLP/NLTK

shiny

ggplot2

exposure

Django

JavaScript

NoSQL

CouchDB

MongoDB

CoreNLP

C

languages

French

experience

- 2015–Now **SCHIRESON ASSOCIATES** New York, NY & Waltham, MA
Consultant, Data Science
- Lead subject matter and data expert for an industry consortium effort to standardize targeted television advertising audience measurement
 - Developed highly concurrent and parallel ETL pipelines for processing daily television viewing data
 - Trained and tested a genetic algorithm on hundreds of gigabytes of web data to optimize the reach of a Fortune 500 consulting client's marketing mix
 - Developed, tested, and implemented machine-learning television commercial placement models for a Fortune 500 media client
 - Designed, implemented, and maintained a data infrastructure serving billions of records using multiple AWS products
- 2015 **INSIGHT DATA SCIENCE** New York, NY
Fellow
- Created *Can I Solar?*, a web-based application to help individuals decide if a home solar power installation will be cost-effective
 - Developed time-series forecasts of electricity prices and linear/multilevel models of installation costs
 - Integrated data from the National Renewable Energy Laboratory and Energy Information Administration using Python, R, MySQL, & MongoDB
- 2014–2015 **YALE LAW SCHOOL** New Haven, CT
Postdoctoral Associate & Resident Fellow
- Developed NLP classifiers for highly imbalanced datasets of millions of public comments submitted to federal agencies
 - Developed a machine learning binary classifier with >90% accuracy for 400,000 tweets using NLP
 - Received \$15,000 grant to extend this research to additional topics; article manuscript currently under review
- 2012–2014 **GEORGE WASHINGTON UNIVERSITY** Washington, DC
Doctoral Candidate & Lecturer
- Identified causal factors in the global spread of intellectual property laws using survival regression; results published in academic journal
 - Used multidimensional scaling and network graphs to visualize and analyze ongoing trade negotiations; research featured in *The Washington Post*
 - Used probit regression to model a regulatory process and successfully predict future outcomes; results published in academic journal
 - Developed and taught a political science class on the politics of innovation and technology; taught classes in international affairs
- 2012–2014 **U.S. CENSUS BUREAU** Suitland, MD
Statistician
- Developed spreadsheet models and in-house tools using SQL, R, Excel, and VBA to aid in trend analysis and editing of large-scale survey responses
 - Worked with federal contractors to make survey data available to the public using open-source tools 2 years ahead of schedule
- 2009–2012 **MARYLAND PUBLIC POLICY INSTITUTE** Rockville, MD
Fellow
- Researched and wrote four annual policy reports on state legislative activity
 - Testified before state legislature; engaged in radio and newspaper interviews
 - Authored multiple policy briefs on financial and economic issues

education

2014	Ph.D. in Political Science	The George Washington University, Washington, DC
2012	M.A. in Political Science	The George Washington University, Washington, DC
2009	M.A. in Religion	Yale University, New Haven, CT
2007	B.A. in Government	University of Maryland, College Park, MD

publications

Forthcoming	The Economic Theology of Intellectual Property	in <i>Handbook of Economic Theology</i>
2016	International Coercion and the Diffusion of Regulatory Data Protection	<u>J. of World Intell. Property 19:1, 2-27</u>
2015	Who's Afraid of WikiLeaks?	<u>Rev. Pol'y Research 32:2, 175-199</u>
2014	Politics & Rulemaking at the Copyright Office	<u>J. Info. Tech & Pol. 11:1, 64-81</u>
2014	Intellectual Property & Jewish Ethics	in <i>Cultures of Copyright</i> , New York: Peter Lang
2010	Catholic Thought & Intellectual Property	<u>J. L. & Relig. 25:2, 415-451</u>

community

2015–Now	INSIGHT DATA SCIENCE <i>Alumni Mentor</i> - Provide project feedback, technical guidance, and conduct mock interviews for recent Ph.Ds and postdocs transitioning to non-academic careers in data science	New York, NY & Boston, MA
2016–2017	YALE DAY OF SERVICE <i>Annual Participant</i>	Newark, NJ & Boston, MA
2015–2016	ALL SAINTS EPISCOPAL PARISH <i>Choir Member</i>	Hoboken, NJ
2015–2016	CLOSTER ANIMAL WELFARE SOCIETY <i>Animal Foster Parent</i>	Edgewater, NJ
2015	DATAHAVEN <i>Volunteer Data Analyst</i> - Analyzed Greater New Haven community survey results to identify factors predictive of well-being using lasso and ordinal logistic regression in R - Prototyped a <u>Shiny web app</u> to illustrate how DataHaven might communicate complex survey results to the general public	New Haven, CT