

# GabrielMichael

## contact

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### Web

[www.gabrieljmichael.com](http://www.gabrieljmichael.com)

### LinkedIn

[linkedin.com/in/gjmichael](https://linkedin.com/in/gjmichael)

### GitHub

[github.com/langelgjm](https://github.com/langelgjm)

## programming

Python

R

SQL

Bash + regex

VBA

## skills

Linux

AWS

pandas

scikit-learn

luigi

NLP/NLTK

ggplot2

shiny

## exposure

NoSQL

Django

JavaScript

CoreNLP

C

## languages

French (CEFR B2)

Spanish (CEFR B1)

## experience

- 2015–Now **SCHIRESON ASSOCIATES** New York, NY & Boston, MA  
**Manager, Data Science** (2017–Now )  
- Subject matter expert for an industry-wide effort to standardize data-driven television advertising audience measurement  
- Developed concurrent and parallel ETL pipelines for processing daily television viewing data  
- Collaborate with software engineers in an Agile environment; conduct code reviews; interview, manage and mentor junior data scientists/engineers  
**Consultant, Data Science** (2015–2017)  
- Trained/tested 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 productized machine-learning television commercial placement models for a Fortune 500 media client  
- Designed, implemented, and maintained an internal data infrastructure using multiple AWS products
- 2015 **INSIGHT DATA SCIENCE** New York, NY  
**Fellow**  
- Created *Can I Solar?*, a Python/Flask web application to help individuals assess the costs/benefits of home solar power  
- Built time-series forecasts of electricity prices and linear models of installation costs in R  
- Integrated multiple public datasets using MySQL & MongoDB
- 2014–2015 **YALE LAW SCHOOL** New Haven, CT  
**Postdoctoral Associate & Resident Fellow**  
- Developed classifiers for imbalanced datasets of millions of public comments submitted to federal agencies using the NLTK package in Python  
- Received \$15,000 grant to extend this research to additional topics; article forthcoming
- 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 political science and international affairs classes
- 2012–2014 **U.S. CENSUS BUREAU** Washington, DC  
**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 annual policy reports on state legislative activity, as well as multiple policy briefs on financial and economic issues  
- Testified before state legislature; engaged in radio and newspaper interviews

## education

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

## publications

Forthcoming	<b>The Bully Pulpit, Social Media, &amp; Public Opinion</b>	<u>J. of Information Technology &amp; Politics</u>
Forthcoming	<b>The Economic Theology of Intellectual Property</b>	in <i>The Routledge Handbook of Economic Theology</i> , New York: Routledge
2016	<b>International Coercion &amp; the Diffusion of Regulatory Data Protection</b>	<u>J. of World Intellectual Property 19:1, 2-27</u>
2015	<b>Who's Afraid of WikiLeaks? Missed Opportunities in Political Science Research</b>	<u>Review of Policy Research 32:2, 175-199</u>
2014	<b>Politics &amp; Rulemaking at the Copyright Office</b>	<u>J. of Information Technology &amp; Politics 11:1, 64-81</u>
2014	<b>Intellectual Property &amp; Jewish Ethics</b>	in <i>Cultures of Copyright</i> , New York: Peter Lang
2010	<b>Catholic Thought &amp; Intellectual Property</b>	J. of Law & Religion 25:2, 415-451

## community

2018	<b>ENGLISH OPENS DOORS / INGLES ABRE PUERTAS</b>	La Serena, Chile <i>Volunteer English Teacher</i> - Independently taught 5th through 10th grade conversational English in an immersive environment to over 250 Chilean public school students for a semester
2015–2017	<b>INSIGHT DATA SCIENCE</b>	New York, NY & Boston, MA <i>Alumni Mentor</i> - Provided project feedback, technical guidance, and conducted mock interviews for recent Ph.Ds and postdocs transitioning to non-academic careers in data science
2016–2017	<b>YALE DAY OF SERVICE</b>	Newark, NJ & Boston, MA <i>Annual Volunteer</i>
2015	<b>DATAHAVEN</b>	New Haven, CT <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 Shiny web app to illustrate how DataHaven might communicate complex survey results to the general public