

# Igor Geyn - Applied Data Scientist

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SF Bay Area (CA) - in-person, hybrid, and remote OK

Applied data scientist and researcher with publication record and 10 years of experience. Specialize in clean delivery of complicated data analysis, workflow automation, applied machine learning (ML), and causal inference using both experimental and observational methods (e.g., A/B testing, RCTs, RD, and DiD). Comfortable in fast-paced, rigorous settings where projects span across business functions. Recognized for professional excellence and leadership skills.

## SELECT SKILLS

**Python:** pandas, NumPy, scikit-learn, Polars, DuckDB • **R:** tidyverse, fixest, did • **SQL:** GLMs/regularization; XGBoost/LightGBM; feature engineering & pipelines; CV; calibration; uplift/causal ML; SHAP • **Data/Cloud:** dbt/Dataform; Airflow/Composer; BigQuery/Vertex AI; Snowflake; Docker; PostgreSQL; Foundry • **Causal:** A/B testing; DiD/RD/IV; matching • **Bayes:** PyMC/Stan (MCMC)

## EDUCATION

**Ph.D. Political Science**, UCLA, Jan-Feb 2026 (Expected) | Statistics and Methodology Focus, GPA: 4.0

**B.A. Economics & Political Science**, UC San Diego, 2015 | High Honors, Pi Sigma Alpha

## EXPERIENCE

### Economist | The Burning Glass Institute, Part-Time

Oct 2025 - Present

Conduct research on workforce trends as part of a team of economists. Leverage public and proprietary data to answer policy and business questions (e.g., designing workforce development programs) for clients. Provide subject matter expertise on research design, statistics, causal inference, and ML. Build user-facing dashboards and other visual outputs.

### Data Scientist | Pacific Gas & Electric Co. (PG&E), Contract

Jun 2024 - Aug 2025

Automated analysis across dozens of enterprise risks (billions of USD in expenditures) using Python, SQL, and AWS. Reduced preparation time, increased process transparency, and shortened regulatory filings by weeks. Built interactive tools (e.g., dashboards) for exploring risk scenarios, calculating program effectiveness, causal analysis, and communication to senior stakeholders. Performed first causal analysis of wildfire prevention programs (a key PG&E risk exposure that led to company bankruptcy in 2019). **Promoted from Data Science Intern.**

### Survey Science Intern | Veo

Nov 2022 - Mar 2023

Combined causal inference techniques (geo discontinuity, SynthDiD) with re-weighted customer survey data (MrP) to plan product expansion (R + Python). Analyzed dataset with thousands of user survey responses and millions of rides generated by in-app customer behavior. Executed several natural experiments to identify previously unseen business opportunities.

### Sr. Data Analyst | Bloomberg Government (BGOV)

Sep 2019 - Sep 2020

Wrote production code to enhance customer data. Conducted UX research using ML to improve contract detail prediction and linkages across millions of contracts. Improved web application experience for BGOV and Bloomberg Terminal products. Assisted company-wide cloud migration.

### Sr. Research Analyst | Atlantic Media

Aug 2017 - Sep 2019

(2x) Led multi-analyst team in execution of multi-million dollar flagship research product delivered to Fortune 500 companies. Ensured timely delivery of complicated contracts and nuanced market/marketing analyses using MaxDiff, conjoint, and other approaches. Fielded surveys to 250,000+ respondent audience using complex weighting and respondent quota structure. Performed survey and white label research for 100+ client engagements using R and Qualtrics. **Promoted from Research Analyst.**

### Research Analyst | University of California, San Francisco (UCSF)

May 2016 - Jul 2017

Conducted quantitative and qualitative research for grant-funded projects on health workforce shortage, regional disparities, pilot program evaluation, and forecasting (primarily R). Co-authored 4 policy reports including statewide physician workforce analysis for the California Health Care Foundation. Coordinated large, state-funded evaluation programs and other projects.

## SELECT PHD EXPERIENCE

**Publication Summary:** "Do Tuition Subsidies Raise Political Participation?" AEJ: Economic Policy, forthcoming; "How Partisan Is Local Election Administration?" APSR 2024. Additional working papers on voting behavior, local political economy, and statistics/data science. See more →

**Summary of Teaching Experience:** Instructor of Record for *Social Science Research Design* and *Introduction to American Politics* — built syllabi and delivered courses independently. *Teaching Fellow/Assistant* for *Introduction to Data Analysis* and 6 additional courses (more than three years total teaching experience).

**Summary of Select Research Positions:** Co-authored 4 policy reports on D.C. health workforce access and disparities as D.C. Policy Center Fellow (2020-23). Evaluated California health program effectiveness using difference-in-differences as UCLA CHPR Graduate Student Researcher.