

Ioannis (Yannis) Vassiliadis

DATA SCIENTIST · POLITICAL SCIENTIST

Rochester, NY

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About me

Ph.D. candidate in Political Science with 6+ years of theoretical and research-based experience in quantitative methods and statistical programming. Deeply passionate about exploring new data and finding the best statistical tools to analyze them. Jack of all trades, master of \LaTeX and R. Avid New York Times crossword solver.

Experience

University of Rochester

Rochester, NY

PH.D. STUDENT/CANDIDATE

Aug. 2011 - present

- Collected party-level data for all European governments in the post-war period.
- Used survival models, and other ML estimators to analyze parties' decisions to leave their positions in government.
- Presented work in multiple Political Science conferences.
- Used dataset with all individual donations to state-level legislators during the 2007–2008 election cycle (~3.6m observations).
- Developed and programmed estimator for analysis of contribution data. Monte Carlo simulations to ensure consistency.

University of Rochester

Rochester, NY

RESEARCH ASSISTANT, TEACHING ASSISTANT, INSTRUCTOR

May 2012 - present

- Scraped, performed OCR, and organized 54,000 French Newspapers 1800–1945 with Python. Analyzed using supervised and unsupervised text algorithms in R.
- Engaged in extensive data collection, manipulation, and analysis for various professors. Datasets include global emissions since 1850, compulsory voting rules, and regional election data in modern Europe.
- Lead weekly review sessions for Ph.D. level students in econometric linear models. Taught primers in R and linear algebra.
- Lead a week-long \LaTeX review session for incoming Ph.D. students.
- Taught Introduction to American Politics course.
- Lead review sessions for groups of 20-30 undergraduate students in American and Comparative Politics courses.

Office of Giannis Vouros, Member of the Greek Parliament

Athens, Greece

OUTREACH ASSISTANT

Sep. 2009 - May 2011

- Responsible for social media outreach during November 2009 election and after.
- Supervised team of about 20 volunteers serving in constituent outreach positions.
- Assisted with constituent relations post-election.
- Participated in technical research pertaining to parliamentary questions.

Skills

Technical Languages

R, STATA, \LaTeX , Python, SQL/relational, Matlab

Tools

NumPy, Pandas, SciPy, Scikit-learn, Matplotlib, ggplot2

Math and Stats

Econometrics, Maximum Likelihood Estimation, Survival Analysis, Supervised Classification methods (Logistic Regression, k -nn, LDA, QDA), Unsupervised Learning methods (PCA, K -means), Cross-validation methods

Human Languages

Greek (native), English (fluent), French (near fluent)

Education

University of Rochester

Rochester, NY

PH.D., M.A. IN POLITICAL SCIENCE

Aug. 2011 - Summer 2017

Columbia University

New York, NY

M.A. IN POLITICAL SCIENCE

Sep. 2008 - May 2009

University of Piraeus

Piraeus, Greece

B.A. IN INTERNATIONAL & EUROPEAN STUDIES

Sep. 2003 - Dec. 2007