

# Ioannis (Yannis) Vassiliadis

DATA SCIENTIST · POLITICAL SCIENTIST

Rochester, NY

☎ (585)-752-2683 | ✉ yannis.vassiliadis@gmail.com | 🏠 ioannisvassiliadis.com | 📄 Yannis Vassiliadis | 🌐 yvassiliadis

## About me

---

Ph.D. in Political Science with 7+ years of experience in statistical methods and programming. Deeply passionate about analyzing new data and effectively communicating insights gained from them. Jack of all trades, master of R. Avid NYT crossword solver.

## Experience

---

### Gutcheck

Denver, CO (remotely)

RESEARCH SCIENCE ANALYST

Oct. 2018 - present

- Applying data modeling techniques to survey responses and Big Data to create insights that drive the clients' business growth.

### University of Rochester

Rochester, NY

PH.D. STUDENT/CANDIDATE

Aug. 2011 - July 2018

- 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.
- Scraped, organized, and analyzed datasets of various size for different projects. These include, among others, case files from Operation Car Wash in Brazil, daily issues of 19<sup>th</sup> century French newspapers, and individual contributions to state legislators.

RESEARCH ASSISTANT, TEACHING ASSISTANT, INSTRUCTOR

May 2012 - July 2018

- Engaged in extensive data collection, manipulation, and analysis for various professors. Datasets include, among others, global emissions since 1850, compulsory voting rules, and regional election data in modern Europe.
- Led weekly review sessions in econometric linear models (for Ph.D. students), and in probability theory and data analysis (for undergraduates). Taught sessions in R, probability theory, linear algebra, and a workshop on  $\LaTeX$  for incoming Ph.D. students.

### Meliora Research

Rochester, NY

EXTERNAL DATA CONSULTANT (PROJECT-BASED)

October 2017 - April 2018

- Designed and implemented statistical analysis strategies on consumer satisfaction data for outside clients.
- Wrote and tested R functions for further use by the clients' engineering teams.
- Successfully implemented relative weight analysis, variable selection methods, multiple testing, and other types of quantitative analysis.
- Provided overall data and statistical programming support.

## Skills

---

### Technical Languages

R, Python, SQL/relational,  $\LaTeX$

### Tools & Applications

Jupyter Notebooks, Data Science Tools (NumPy, Pandas, SciPy, Scikit-learn), Visualization (Matplotlib, ggplot2, Tableau), STATA, Matlab, Web Scraping (Selenium, BeautifulSoup), MS Excel

### Math and Stats

Predictive Modeling, Machine Learning (linear models, supervised and unsupervised classification), ANOVA, A/B Testing, Variable and Model Selection 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 - July 2018

### 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