

Ioannis (Yannis) Vassiliadis, PhD

DATA SCIENTIST · POLITICAL SCIENTIST

Rochester, NY

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

Summary

Enthusiastic, curious, and efficient data scientist with a Ph.D. in Political Science, and more than 10 years of academic and industry 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)

DATA SCIENTIST

March 2020 - present

RESEARCH SCIENCE ANALYST

October 2018 - March 2020

- Responsible for vetting, analyzing, and scaling 2nd- and 3rd-party data. So far, this has resulted in more than \$120,000 in annual savings, and the creation of two new products.
- Automated several established processes related to the entire lifecycle of data projects, from collecting to wrangling, and from analyzing to visualizing.
- Created interactive reporting solutions, which enable our team members to create high-quality deliverables, and have drastically decreased the time and costs associated with report creation.
- Executed custom projects for major clients by using advanced analytics. These projects extend beyond the standard product offerings by Gutcheck and range from survey design and programming to exploratory and predictive analytics.
- Worked with key stakeholders in order to provide overall statistical and programming support to the company.

University of Rochester

Rochester, NY

PH.D. CANDIDATE, RESEARCH ASSISTANT, TEACHING ASSISTANT, INSTRUCTOR

Aug. 2011 - July 2018

- Wrote a dissertation on party departure from governments in Europe, 1945-2014.
- Engaged in extensive data collection, manipulation, and analysis for various research projects. Datasets include – among others – global emissions since 1850, compulsory voting rules, and regional election data in modern Europe.
- Taught sessions in **R**, probability theory, data analysis, and econometric linear models to both Ph.D. and undergraduate 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.

Skills

Technical Languages

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

Tools & Applications

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

Math and Statistics

Statistical Modeling (linear, non-linear, limited dependent variables), ML (supervised, unsupervised classification, decision trees), ANOVA, A/B Testing, Feature Selectin and Dimensionality Reduction (LASSO, Elastic Nets, PAC, etc), MaxDiff, Conjoint Analysis

Education

University of Rochester

Rochester, NY

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

August 2011 - July 2018

Columbia University

New York, NY

M.A. IN POLITICAL SCIENCE

September 2008 - May 2009

University of Piraeus

Piraeus, Greece

B.A. IN INTERNATIONAL & EUROPEAN STUDIES

September 2003 - December 2007