

Ioannis (Yannis) Vassiliadis

DATA SCIENTIST · POLITICAL SCIENTIST

Rochester, NY

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About me

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 quality assurance of vendors of 2nd and 3rd party data. Created a vetting rubric that checks data for veracity, usefulness in creating value for our clients, and scalability. So far, this has resulted in more than \$120,000 in annual savings, as well as an expanded offering of insights based on big data.
- Conceptualize, code, and craft builders to automate several processes related to report creation, including charting, tabulating, and exporting to PowerPoint. These builders allow research strategists and other internal users to minimize the time spent on these tasks, and instead focus on the creative part of reporting. Some builders have decreased the time required by as much as 98%, while others drastically reduce costs by eliminating the need to outsource.
- Execute *ad hoc* projects for major clients and internal purposes. These projects extend beyond the standard product offerings by Gutcheck and range from survey design and programming to advanced analytics and custom analyses.
- Provide overall statistical and **R** coding support for the entire 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.
- 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.
- Provided overall data and statistical programming support.

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