

# Ioannis (Yannis) Vassiliadis

DATA SCIENTIST · POLITICAL SCIENTIST

Rochester, NY

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## About me

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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.

## Education

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### University of Rochester

Rochester, NY

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

Aug. 2011 - July 2018

- Fields: Comparative Politics, American Politics, Formal Theory

### Columbia University

New York, NY

M.A. IN POLITICAL SCIENCE

Sep. 2008 - May 2009

- Field: American Politics

### University of Piraeus

Piraeus, Greece

B.A. IN INTERNATIONAL & EUROPEAN STUDIES

Sep. 2003 - Dec. 2007

## Dissertation

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### Pulling the Trigger: Party Responsibility in Coalition Terminations

- Committee: Tasos Kalandrakis (chair), Bonnie M. Meguid, G. Bingham Powell

My dissertation is a book-length project that predicts the termination of coalition governments, by examining the types of parties that participate in them, as well as the motivations and objectives behind their decisions. I argue that leaving a coalition is similar to breaching an agreement, and thus parties should only do so for particular reasons. In order to explore these reasons, I first focus on how characteristics of parties vis-a-vis the other cabinet and parliamentary parties influence their decision to leave. Second, I analyze how changes in the environment, particularly the economy and public opinion, filter themselves through the characteristics of the coalition partners and manifest through their decisions. The changes are quantified by using the Eurobarometer Surveys (1970–2002) and inflation, unemployment, and growth data from the OECD (1956–present). Finally, I analyze the consequences of a party's departure in terms of policy, office, and reputation.

## Skills

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**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)

## Awards & Fellowships

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2016–2018 **Scholar**, Alexander S. Onassis Foundation

Athens, Greece

2016–2017 **Fellow**, Theory and Statistics Research Lab, University of Rochester

Rochester, NY

2011–2016 **Ph.D. Student**, University of Rochester Doctoral Fellowship

Rochester, NY

2014 **Teaching Assistant**, Excellence in Teaching by a Graduate Student, Department of Political Science

Rochester, NY

## Works in Progress

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### **Pulling the Trigger: Party Responsibility in Coalition Terminations**

DISSERTATION

### **Inequality & Willingness to Pay for Environmental Protection**

WITH LAWRENCE S. ROTHENBERG

### **Nationalism in the French Press, 1800-1944**

WITH SCOTT ABRAMSON, CASEY CRISMAN-COX, HEIN GOEMANS

### **This Gun's for Hire: Term Limits and the Case for Revolving Door Laws**

INTRODUCING A ML ESTIMATOR FOR LEFT-TRUNCATED & RIGHT-CENSORED DATA APPLIED TO CONTRIBUTION LIMITS

### **Judging a book by its cover: An ALL CAPS approach to fake news.**

FUN SIDE PROJECT

## Non-Academic Experience

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### **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.

### **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.

### **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 approximately 20 volunteers serving in constituent outreach positions.
- Assisted with constituent relations post-election.
- Undertook technical research pertaining to parliamentary questions.

## Academic Experience

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### TEACHING

*University of Rochester*

Spring 2018 **Teaching Assistant**, Environmental Politics

Fall 2017 **Teaching Assistant**, Data Analysis I

Summer 2016 **Instructor**, Introduction to American Politics

Fall 2014 **Teaching Assistant**, Introduction to Comparative Politics

Spring 2014 **Teaching Assistant**, Linear Models (graduate)

Fall 2013 **Teaching Assistant**, Introduction to American Politics

Spring 2013 **Teaching Assistant**, The Presidency

### RESEARCH

*University of Rochester*

2011–2018 **Graduate Research Assistant**, Professor Lawrence Rothenberg

2017 **Graduate Research Assistant**, Professor Kevin Clarke

2012–2017 **Graduate Research Assistant**, Professor Tasos Kalandrakis

2016 **Graduate Research Assistant**, Professor Bonnie M. Meguid

Summer 2014 **Graduate Research Assistant**, Professors Bonnie M. Meguid and Gretchen Helmke

## Conference Participation

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**American Political Science Association Annual Conference**

*Philadelphia, PA*

2016

**European Political Science Association Annual Conference**

*Scotland, Austria, Belgium*

2014, 2015, 2016

**Midwest Political Science Association Annual Conference**

*Chicago, IL*

2014, 2017

## Service

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Summer 2015 **Graduate Student Coordinator**, 32<sup>nd</sup> Society of Political Methodology (POLMETH) Annual Conference *Rochester, NY*

2014–2016 **Coordinator**, Comparative Politics Workshop *Rochester, NY*

2013–2014 **Coordinator**, American Politics Working Group *Rochester, NY*