

URAS DEMIR

(949) 302-0529 | Irvine, CA | demirn@uci.edu | [Personal Website](#) | [LinkedIn](#)

SUMMARY

- Computational social scientist with seven years of applied quantitative and qualitative research experience.
- Educator and mentor in a minority serving institution with effective communication skills and pedagogical training.
- Multidisciplinary background in political science, business, and finance with publications in high impact outlets.

EDUCATION

University of California, Irvine, CA (August) 2024

Ph.D., Political Science

Quantitative Research Methods and International Political Economy

[EDHEC Business School](#), France

2016

MSc., Global Business

Concentration in Finance, Best Thesis Award

State University of New York at Binghamton, NY

2013

BSc., International Relations

DATA SKILLS

- **Programming Languages:** R (tidyverse, shiny, caret), Python (pandas, numpy, scikit-learn), PostgreSQL
- **Data Modeling Expertise:** Training at [ICPSR](#) and graduate coursework towards methodological specialization
 - Inferential Models: Generalized Linear Models, Hierarchical Models, Survival Analysis, Time Series Models
 - Experimental Approaches: ANOVA, DiD, RD, Counterfactual Estimation, Synthetic Control
 - Network Analysis: Network Visualization, Centrality Measures, Exponential Random Graph Models
- **Algorithmic Modeling Expertise (Machine Learning):** Training at [ICPSR](#) and Certificates through [EITM](#)
 - Classification Tasks: Logistic Regression, Naive Bayes, Decision Trees, Random Forests, GBM, knn, SVM
 - Regression Tasks: Linear Regression, Ridge Regression, Lasso Regression, Decision Trees, Random Forests
 - Clustering Tasks (Unsupervised Learning): k-means
- **Data Visualization Expertise:** ggplot2, igraph (network analysis), matplotlib, Tableau

PROJECT DEMOS (SHINY)

- GDP Prediction with Supervised Learning
- [Data Visualization Dashboard](#)
- [A/B Testing Simulator](#)
- [Tech Stock Financial Dashboard](#)

DATA SCIENCE EXPERIENCE

University of Tokyo, Institute of Social Science

[Japan Society for the Promotion of Science Predoctoral Research Fellow](#)

2023-2024

- Managed a quantitative research project in Japan with a ¥1.4m grant secured through an international competition.
- Designed a survey experiment with Qualtrics XM, delivered it to 5k participants, attained 95+% completion rate.
- Produced time-series analyses and counterfactual estimation with UNCOMTRADE data on East Asia trade.
- Conducted semi-structured interviews with government officials and peak association representatives.

Smith Richardson Foundation

[Research Fellow](#)

2021-2023

- Managed a mixed methods research project with a grant of \$7.5k secured through a national competition.
- Developed and operationalized a typology of intermediate goods, employed k-means to cluster 20m+ commodities.
- Conducted regression analyses to estimate the influence of economic interdependence on interstate relations.
- Formed and managed a research group with 3 research assistants to build a text database on trade related statements.
- Drafted a research article currently under review at a Q1 journal on the findings of the inferential analyses.

University of California, Institute on Global Conflict and Cooperation

[Research Fellow](#)

2020-2021

- Managed a quantitative research project with a \$22.5k grant secured through a UC-wide competition.
- Built an index of interstate conflict and cooperation using over 17.5m event observations between 1995 and 2020.

- Developed an index of bilateral global supply chain dependence for all countries between 1990 and 2020.
- Carried out a quasi-experimental study using counterfactual estimation to gauge the impact of 2018 Trade War.
- Authored an article currently under revision for the field's top journal, Review of International Political Economy.

University of California, Irvine, Department of Political Science

Quantitative Researcher, [NSF-funded Project](#) 2024

- Co-developed a scraper with python, deployed it, collected firm level data with 250k+ observations.

Quantitative Researcher, [University of California, Lab Fees-funded Project](#) 2018-2020

- Conducted exploratory quantitative analyses on global supply chain trade data in East Asia.
- Provided logistic support and editorial assistance to the principal investigator of the research project.
- Co-authored a chapter in a [Cambridge University Press edited volume](#).

Friedrich Naumann Foundation

Research Fellow 2021-2022

- Managed a mixed methods research project with a grant of €4k secured through a pitch.
- Applied the index of interstate conflict and cooperation to [case studies](#) to quantify international political risk.

DATA SCIENCE RELATED TEACHING EXPERIENCE

University of California, Irvine, School of Social Sciences

Instructor 2023

- [Political Analysis](#): Designed and taught R integrated computational social science course. [[evaluations](#)]

Teaching Assistant 2019-2022

- Probability and Statistics I, II, III (Annual Sequence): Instructed R based computer labs for three years. [[evaluations](#)]

CONSULTING EXPERIENCE

Grant Thornton LLP

Consulting Intern 2016

- Provided project management support for client-specific projects under the tax advisory division.

RECENT TALKS

- University of California, San Diego, Global Policy and Strategy 2024
- University of Tokyo, Research Center for Advanced Science and Technology (RCAST) 2024
- International Studies Association (International Academic Conference) 2023
- American Political Science Association (International Academic Conference) 2023
- Lawrence Livermore National Laboratory 2022

SELECTED MENTORSHIP EXPERIENCE

University of California, Irvine, Graduate Division

[Graduate International Connection Mentoring Program](#) 2022-2023

- Served as a peer mentor for 30+ incoming international MS and PhD students.

[Competitive Edge Mentoring Program](#) 2023

- Provided mentorship for a small group of incoming PhD students from underserved communities.

University of California, Irvine, Division of Teaching Excellence and Innovation

[Pedagogical Fellows Program](#) 2022

- Developed and delivered eight training modules for incoming PhD students with teaching assistantships.

OTHER RECENT GRANTS AND AWARDS

- University of California, Irvine, Most Promising Future Faculty Honorable Mention 2023
- Long US-China Institute, Research Grant 2023
- University of California, Irvine, Center for Asian Studies, Research Grant 2023

LANGUAGE SKILLS

- Turkish (Bilingual), French (Advanced), Japanese (Intermediate)