

Angel M. Villegas-Cruz, Ph.D.

Senior Institutional Research Analyst | angel.villegas.upr@gmail.com | (814) 810-8459 | [Website](#)

LANGUAGES

Spanish (Native)
Mandarin Chinese (Fluent)
Italian (Fluent)
Portuguese (Intermediate)

SOFTWARE

R | Python | Tableau
Qualtrics | GitHub
ArcGIS | L^AT_EX
Stata | Slack | Canvas
MS Office

EDUCATION

PH.D. IN QUANTITATIVE POLITICAL SCIENCE AND ASIAN STUDIES

2021 - 2024 | Pennsylvania State University

M.A. IN QUANTITATIVE POLITICAL SCIENCE

2019 - 2021 | Pennsylvania State University

M.A. IN INTERNATIONAL RELATIONS

2016 - 2019 | Beijing Normal University

CHINESE (MANDARIN) LANGUAGE PROGRAM

2014 - 2016 | Beijing Normal University

B.A. IN SOCIOLOGY AND MINOR IN HISTORY

2009 - 2014 | University of Puerto Rico, Rio Piedras

ADVANCED SKILLS

Data Mining | Data Science | Data Visualization | Network Analysis | Experimental Design | Panel Data Analysis | Qualitative Research | Quantitative Research | Machine Learning | Open-source Investigations | Regression Analysis | Social Media Analytics | Survey Design & Analysis | Text Analysis | Time Series Analysis

EXPERIENCE

SENIOR INSTITUTIONAL RESEARCH ANALYST | OFFICE OF DATA INSIGHTS & REPORTING, UNIVERSITY OF ROCHESTER
10/2024 - Present | Rochester, NY

- Conduct in-depth statistical and qualitative analyses to support institutional planning and policy development
- Develop, manage, and analyze large datasets using advanced statistical software (e.g., R, Python) and data visualization tools (e.g., Tableau).

DOCTORAL RESEARCH SCIENTIST | PENNSYLVANIA STATE UNIVERSITY
09/2019 - 09/2024 | University Park, PA

- Wrote 10 peer-reviewed articles based on research findings
- Presented findings in 11 talks at national and international conferences and public outreach events, engaging audiences ranging from 10 to 100
- Supervised undergraduate students in conducting surveys and statistical studies
- Secured over \$10,000 in research grants

INSTRUCTOR | PENNSYLVANIA STATE UNIVERSITY
09/2019 - 05/2024 | University Park, PA

- Taught 2 undergraduate courses and served as Teaching Assistant on 5 courses in international relations, quantitative methods, and political economy
- Delivered technical information on foreign affairs, political economy, Chinese politics, R programming, quantitative methods, data science, and website scraping to non-technical audiences

RESEARCH FELLOW | FOREIGN MILITARY STUDIES OFFICE, U.S. ARMY
09/2023 - 01/2024 | Remote

- Conducted open-source research and analysis on the activities of the Chinese and Russian militaries
- Authored analytical reports and delivered presentations to military and civilian leaders in the DoD

RESEARCH ASSISTANT | PENNSYLVANIA STATE UNIVERSITY
01/2020 - 08/2022 | University Park, PA

- Applied advanced statistical methods to contribute to multiple projects
- Collaborated with a team of 4 scholars across three countries to design and conduct Qualtrics surveys in Mexico and Colombia to investigate online misinformation

SOCIAL RESEARCHER | SAN JUAN CITY GOVERNMENT
01/2014 - 08/2014 | San Juan, PR

- Conducted interviews with community leaders and performed mapping using sociodemographic data