IVAN CASTRO

🎓 EDUCATION

2018

Syracuse University
MSPH in Biostatistics
📍 Syracuse, NY

2013

SUNY Oswego
BA in Psychology
📍 Oswego, NY

💼 EXPERIENCE

2020 | present

Data Analyst
innoVet Health
📍 Syracuse, NY

2018 | 2020

Research Coordinator
VISN 2 Center for Integrated Healthcare
📍 Syracuse, NY

- Coordinated behavioral clinical trial funded by an NIH R34 (treatment development) grant
- Managed clinical research data / wrote data analysis pipelines
- Established reproducible workflows for processing monthly recruitment data
- Created ad hoc data wrangling solutions for national program evaluation

2015 | 2019

Project Manager
Syracuse University
📍 Syracuse, NY

- Managed NSF-funded training program in trauma research
- Assisted in the design of social science research studies
- Built surveys for electronic data capture
- Responsible for data management

2016 | 2018

Research Assistant
Syracuse University
📍 Syracuse, NY

- Graduate RA in the Dept. of Public Health
- Actively involved in several public health research studies:
- Syracuse Lead Study / Vacationing and Health / College Football Injuries
- Conducted statistical analysis in R and SPSS
- Conducted spatial analysis in R and ArcGIS
- Wrote analysis pipelines for modelling environmental exposures to toxicants.

📄 PUBLICATIONS

2019

Variability in the spatial density of vacant properties contributes to background lead (Pb) exposure in children.
Environmental Research, 170, 463-471.

Castro, I. E., Larsen, D. A., Hruska, B., Parson, P. J., Palmer, C. D., and Gump, B. B.

Background in research project coordination, biostatistics, and population health data science. Proficiency with data formatting and handling.

Research interests: environmental toxicants, traumatic stress disorders, community-level deprivation, spatial epidemiology.

CONTACT INFO

✉ iecastro@syr.edu
🐙 github.com/iecastro

SKILLS

Data analysis and statistical programming

Data wrangling

Data visualization and modelling

R and RStudio with emphasis on the `tidyverse`

SPSS, ArcGIS, Qualtrics, MS Access

Github

</> SOFTWARE RESOURCES

- **tidyVA**
  An R package of Veterans Health Administration geographies in simple features format for tidy spatial analysis and visualization.

- **healthdatacsv**
  An R package to interface with the healthdata.gov API to query the catalog and return tidy data frames.

💬 PRESENTATIONS

2019

A Delphi study to integrate Prolonged Exposure for Primary Care and Motivational Enhancement Therapy for heavy alcohol use.
ISTSS Annual Meeting ⚲ Boston, MA
Castro, I. E., Crinnin, C., Mastroleo, N., King, P., Balderrama-Durbin, C., Rauch, S., & Possemato, K.

2019

The impact of neighborhood deprivation on acute psychological and pain-related outcomes following traumatic injury.
Science 2019 ⚲ University of Pittsburgh, PA
Olson, K., Hruska, B., **Castro, I. E.**, Suffoletto, B., Callaway, C., & Pacella-LaBarbara, M.

2018

Psychological flexibility moderates the link between combat exposure and hopelessness in military veterans.
ResilienceCon ⚲ Nashville, TN
Dykas, M. J., **Castro, I. E.**, Wolford, K., & Gump, B. B.

2018

Close Relationships among service-members moderate the link between combat and PTSD symptomatology.
Eastern Psychological Association Annual Meeting ⚲ Philadelphia, PA
Castro, I. E. and Dykas, M. J.

2016

The implications of social support and resilience in a Veteran's wellbeing.
Eastern Psychological Association Annual Meeting ⚲ New York, NY
Castro, I. E. and Dykas, M. J.