

Mayra Coronado Garcia

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EDUCATION

University of Iowa College of Public Health, Iowa City, Iowa

Expected Graduation: December 2018

Department of Biostatistics, Masters of Public Health

Admitted: Fall 2016; GPA: 3.50/4.0

Current Courses: Survey Design and Analysis, Scholarly Integrity in Biostatistics, Introduction to Geographic Visualization, and Large Data Analysis.

Relevant Completed Courses: Applied Administrative Data Analysis, Applied Categorical Data Analysis, Regression & ANOVA in Health Sciences, and Biostatistics Methods I.

Regis University, Denver, CO

Graduated: May 2016

Bachelors of Science: Mathematics

Minors in Spanish and Health Care Administration

Magna Cum Laude; GPA: 3.733/4.0

EXPERIENCE

Graduate Assistant Active Ottumwa | University of Iowa Prevention Research Center

August 2016 – Present

- Working for the Prevention Research Center to assist with data management and statistical analysis.
- Collaborating with research teams to examine associations between reported perceptions, health behaviors and health outcomes using linear regression, logistic regression, and mediation analysis.
- Created predictive models for Active Ottumwa data and built a complimentary web application with R Shiny that calibrates end user data using the models. Research findings published in the BMC Public Health journal.

Minority Health Disparity SRP Participant | University of Nebraska-Lincoln

June 2015 – August 2015

- Completed a two-week seminar focused on Social Network Analysis. Afterward, examined clustering behavior in social networks of people inject drugs from rural Puerto Rico.
- Research findings published in Puerto Rico Health Sciences Journal.

MTBI Research Program Participant | Arizona State University

June 2014 – August 2014

- Created and analyzed a four compartment mathematical model, examining how needle exchange programs impact people who inject drugs.
- Presented mathematical model and findings in a poster at 2014 SACNAS National Conference.

HONORS AND AWARDS

- Diversity Scholarship 2016-Present
- Daniels Fund Scholarship for character, leadership, and service 2012-2016

SKILLS

- Programing languages (most experience to least experience): R, SAS, and Python.
- Working knowledge in SQL.
- Advanced in creating final documents and presentations using Microsoft Office Software, LaTeX, Beamer, and R Markdown.
- Bilingual in Spanish and English, with advanced skills in reading and writing in both languages.