

# CLAUDIA E. RODRIGUEZ

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ext. 7545

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## Pardee RAND Graduate School

PhD Candidate in Policy Analysis

Santa Monica, CA

2016 – present

## Arizona State University

M.S. Applied Mathematics for the Life and Social Sciences

B.S. Mathematics

Tempe, AZ

2013-2016

2009-2013

## US Citizen

Secret clearance: In progress

## SKILLS

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### Computer skills

Statistical Packages: Proficient in R; Familiar with SAS, STATA, SPSS

MS Office Suite: Proficient in Excel, Word, PowerPoint

Other: Proficient in Maple, MatLab, LaTeX; Familiar with NetLogo, Mathematica, GeoGebra, C++

### Languages

Fluent in written and spoken Spanish

## EXPERIENCE

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### Academic Supervisor

Joaquin Bustoz Math and Science Honors Program

Tempe, AZ

Summer 2014-2016

- Supervise and train over 25 academic employees
- Develop supplemental curricula in the form of research projects topics and conceptual problems
- Mentored over 80 high school research projects as well as being accountable for their success in a university level mathematics course
- 100% student retention rate for two consecutive summers

### Graduate Research Assistant

Arizona State University –Dr. Margarita Pivovarov

Tempe, AZ

2015-2016

- Created a survey aimed to identifying factors that contribute to the students' success in Science, Technology, Engineering and Mathematics (STEM) fields that was distributed among Arizona State University students currently in these disciplines
- Analyzed responses coupled with institutional data using statistical methods

### Graduate Research Assistant

Applied Math for the Life and Social Sciences Seminar –Dr. Sherry Towers

Tempe, AZ

2014-2015

- Research in this seminar consisted of collaborating among classmates to mathematically model the spread of fear among Americans due to the Ebola outbreak using google trends and twitter data
- Contributed to the analysis of the data as well as the writing and editing of the article

## Undergraduate Research Assistant

Berkeley, CA

Mathematical Science Research Institute Undergraduate Program-Dr. Matthias Beck 2012

- Worked in research project that aimed to prove a bijection incorporating studies in enumerative combinatorics
- Contributed to the analysis and writing of the article

## PUBLICATIONS

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*Peer reviewed*

Beck, M., Berrizbeitia, A., Dairyko, M., **Rodriguez, C.**, Ruiz, A., & Veeneman, S. (2015). Parking Functions, Shi Arrangements, and Mixed Graphs. *American Mathematical Monthly*, 122(7), 660-673.

Towers, S., Afzal, S., Bernal, G., Bliss, N., Brown, S., Espinoza, B., ... & Mamada, R. (2015). Mass media and the contagion of fear: the case of Ebola in America. *PloS one*, 10(6), e0129179.

## HONORS AND AWARDS

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### **Cum Laude (Grade Point Average above 3.5)**

Master's of Science in Applied Math for the Life and Social Sciences 2016

### **Best Math Poster Award (\$500 award)**

Jumpstart in STEM Conference hosted by Association of Women in Science 2016

### **Fellowship (Full Tuition and Stipend)**

Loius Stokes Alliances for Minority Participation Bridge to Doctorate Fellow 2014-2016

### **Chapter Member of the Year Award**

Outreach Director of the Society of Professional Engineers at Arizona State University 2013

### **Dean's List (Grade Point Average above 3.5)**

Arizona State Univeristy 2012

### **First Place in Poster Presentation Award**

More Graduate Education at Mountain State Alliance conference at Arizona State Univeristy 2012