

CONTACT INFORMATION	2054 Cessna St. Ames, Iowa USA 50014	Phone: 661.428.5419 E-mail: nehemiasulloa@gmail.com Webpage: nulloa.github.io
POSITION	Data Scientist	
EDUCATION	<b>PhD in Statistics</b> Iowa State University <i>Thesis:</i> Bayesian Hierarchical Modeling and Analysis for Disease Outbreaks <i>Advisor:</i> Dr. Jarad Niemi	<b>June 2019</b>
	<b>MS in Statistics</b> Iowa State University <i>Creative Component:</i> Application of Polynomial Regression to Dyadic Data <i>Advisor:</i> Dr. Fred Lorenz	<b>May 2017</b>
	<b>BS in Mathematics</b> California State University, Bakersfield	<b>May 2013</b>
WORK EXPERIENCE	<b>USDA APHIS Center for Veterinary Biologics (CVB)</b> Ames, IA <b>Mathematical Statistician</b> <ul style="list-style-type: none"><li>• Evaluated statistical design, analysis, and interpretation of firm's scientific studies</li><li>• Applied historical and legal precedents in analysis</li><li>• Communicated evaluations with scientists and discussed practical issues</li></ul> <b>Iowa Monarch Conservation Consortium</b> Ames, IA <b>Research Assistant</b> <ul style="list-style-type: none"><li>• Maintained and cleaned datasets for a R package</li><li>• Created figures and tables for grant reports</li></ul> <b>After, Inc.</b> Norwalk, Connecticut <b>R Shiny Developer Intern</b> <ul style="list-style-type: none"><li>• Developed client reports with R Shiny in collaboration with other statisticians</li><li>• Createed new and improved reporting templates to standardize reports across clients</li><li>• Researched new Shiny features for new Shiny apps and documents</li></ul> <b>Iowa State University</b> Ames, IA <b>Teaching Assistant</b> <ul style="list-style-type: none"><li>• Ran and assisted with labs in both undergraduate and graduate courses</li><li>• Held office hours to help students with a one-on-one emphasis</li><li>• Graded homework and lab assignments</li><li>• Courses: STAT 101 (Principles of Statistics), STAT 326 (Introduction to Business Statistics II), STAT 330 (Probability and Statistics for Computer Science), STAT 401 (Statistical Methods for Research Workers), STAT 544 (Graduate-level Bayesian Statistics)</li></ul> <b>Instructor</b> <ul style="list-style-type: none"><li>• Lectured a section of introductory statistics one semester (class size ~ 100) and taught online one semester</li><li>• Courses: STAT 101 and STAT 305 (Engineering Statistics)</li></ul> <b>California State University, Bakersfield</b> Bakersfield, CA <b>Math Department Tutoring Center</b> <ul style="list-style-type: none"><li>• Tutored students from algebra through the calculus series</li></ul> <b>Instructor</b>	<b>July 2019 - Present</b>    <b>Jan 2019 - June 2019</b>    <b>May 2018 - Dec 2018</b>   <b>Aug 2013 - May 2018; Jan 2019 - June 2019</b>    <b>Jan 2011 - July 2013</b>

- Ran hybrid course using an interactive online learning environment to help develop basic math skills
- Courses: MATH 75 (Developmental Mathematics I ) & MATH 85 (Developmental Mathematics II)

## RESEARCH EXPERIENCE

### CREST(NSF)

**June 2012 - June 2013**

California State University, Bakersfield

- Investigated methods of fitting a penalized broken cubic spline and compared using AIC, AICcorr, BIC, CV, and GCV criterias to the RSE

### Interdisciplinary Program in High Performance Computing,

**Summer 2012**

University of Maryland, Baltimore County

- Completed Math 447: Introduction to Parallel Computing where I learned parallel computing using C with MPI, R with Snow, and Matlab
- Collaborated with the Department of Natural Resources of Maryland to identify trouble areas of the Chesapeake Bay using different statistical methods and ranking systems.

## AWARDS

### Alliance for Graduate Education and the Professoriate Fellowship

**Aug 2013 - June 2018**

Iowa State University

- Joint-fellowship between Iowa Universities dedicated to increasing the number of underrepresented minorities obtaining graduate degrees in STEM.

## ACTIVITIES

### STAT-ers: Statistics graduate student organization

**Aug 2013 - Present**

Iowa State University

- Vice President
- President

**2015 - 2016**

**2016 - 2017**

### StatCom: Statistics in the Community

**Aug 2015 - Present**

Iowa State University

- Ran statistics station at Meeker Elementary's Science Night
- Helped a non-profit with data clean-up and summary statistics

## COMPUTER SKILLS

**Programming:** R, SAS, C++, SPSS, MPLUS, SQL, Git, L<sup>A</sup>T<sub>E</sub>X

**Statistical Computing:** Stan, JAGS, Shiny, JMP

## PROFESSIONAL MEMBERSHIPS

American Statistical Association

## LANGUAGES

English, Spanish

## PERSONAL INTERESTS

For enjoyment outside of statistics, I enjoy bike riding, soccer, basketball and ultimate frisbee.