

# Nehemias Ulloa

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CONTACT INFORMATION	San Diego, CA <i>Phone:</i> 661.428.5419 <i>E-mail:</i> <a href="mailto:nehemiasulloa@gmail.com">nehemiasulloa@gmail.com</a> <i>Webpage:</i> <a href="http://nulloa.github.io">nulloa.github.io</a>
POSITION	Statistician, Data Scientist
EDUCATION	<b>PhD in Statistics</b> <span style="float: right;"><b>June 2019</b></span> Iowa State University <i>Thesis:</i> Bayesian Hierarchical Modeling and Analysis for Disease Outbreaks <i>Advisor:</i> Dr. Jarad Niemi  <b>MS in Statistics</b> <span style="float: right;"><b>May 2017</b></span> Iowa State University <i>Creative Component:</i> Application of Polynomial Regression to Dyadic Data <i>Advisor:</i> Dr. Fred Lorenz  <b>BS in Mathematics</b> <span style="float: right;"><b>May 2013</b></span> California State University, Bakersfield
WORK EXPERIENCE	<b>Center for Veterinary Biologics (CVB), APHIS, USDA</b> <span style="float: right;"><b>July 2019 - Present</b></span> Ames, IA <b>Mathematical Statistician</b> <ul style="list-style-type: none"><li>• Evaluated over 400 experimental designs and their datasets from vaccine safety and efficacy trials</li><li>• Provided statistical advice on sound study design to regulaors, scientists and researchers</li><li>• Managed multiple projects related to statistical evaluation and consultation</li></ul> <b>Iowa Monarch Conservation Consortium</b> <span style="float: right;"><b>Jan 2019 - June 2019</b></span> 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> <span style="float: right;"><b>May 2018 - Dec 2018</b></span> 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> <span style="float: right;"><b>Aug 2013 - May 2018; Jan 2019 - June 2019</b></span> Ames, IA <b>Teaching Assistant</b> <ul style="list-style-type: none"><li>• Ran labs and graded for both undergraduate and graduate courses</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 <math>\sim 100</math>) and taught online one semester</li><li>• Courses: STAT 101 and STAT 305 (Engineering Statistics)</li></ul>
RESEARCH EXPERIENCE	<b>CREST(NSF)</b> <span style="float: right;"><b>June 2012 - June 2013</b></span> California State University, Bakersfield <ul style="list-style-type: none"><li>• Investigated methods of fitting a penalized broken cubic spline and compared using AIC, AICcorr, BIC, CV, and GCV criterias to the RSE</li></ul>

**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 - June 2019**

Iowa State University

- Vice President **2015 - 2016**
- President **2016 - 2017**

**StatCom:** Statistics in the Community

**Aug 2015 - June 2019**

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,  $\text{\LaTeX}$

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

**PROFESSIONAL  
MEMBERSHIPS**

American Statistical Association

**LANGUAGES**

English, Spanish

**PERSONAL  
INTERESTS**

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