

Nehemias Ulloa

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

RESEARCH EXPERIENCE	CREST(NSF) June 2012 - June 2013 California State University, Bakersfield <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> 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 <ul style="list-style-type: none"> Vice President 2015 - 2016 President 2016 - 2017 StatCom: Statistics in the Community Aug 2015 - June 2019 Iowa State University <ul style="list-style-type: none"> 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 ^A T _E X 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.