

Nehemias Ulloa

CONTACT INFORMATION	2438 Osborn Dr. Iowa State University Ames, Iowa USA 50011	<i>Phone:</i> 661.747.5561 <i>E-mail:</i> nulloa1@iastate.edu <i>Webpage:</i> nulloa.github.io
EDUCATION	PhD in Statistics Iowa State University, <i>Expected:</i> May 2019 <i>Thesis:</i> Bayesian Hierarchical Modeling and Analysis for Disease Outbreaks MS in Statistics Iowa State University, May 2017 <i>Creative Component:</i> Application of Polynomial Regression to Dyadic Data <i>Advisor:</i> Dr. Fred Lorenz BS in Mathematics California State University, Bakersfield, 2013	
WORK EXPERIENCE	Iowa State University Aug 2013 - Present <ul style="list-style-type: none">• TA: Run/assist with labs, office hours, and grading for STAT 101 (Principles of Statistics), STAT 330 (Probability and Statistics for Computer Science), STAT 401 (Statistical Methods for Research Workers), STAT 544 (Graduate-level Bayesian Statistics)• Instructor: STAT 101 and STAT 305 (Engineering Statistics) California State University, Bakersfield Jan 2011 - July 2013 <ul style="list-style-type: none">• TA: Helped run remedial math courses MATH 75 (Developmental Mathematics I) & MATH 85 (Developmental Mathematics II)• Tutor: Math Department Tutoring Center where I helped students in algebra through the calculus series• Instructor: MATH 75 & MATH 85	
RESEARCH EXPERIENCE	CREST(NSF) , California State University, Bakersfield June 2012 - June 2013 <ul style="list-style-type: none">• RA: investigated which method of fitting a penalized broken cubic spline performs best by comparing AIC, AICcorr, BIC, CV, and GCV criterias to the RSE REU Site: Interdisciplinary Program in High Performance Computing , University of Maryland, Baltimore County Summer 2012 <ul style="list-style-type: none">• Took Math 447: Introduction to Parallel Computing<ul style="list-style-type: none">• Learned parallel computing code using C with MPI, R with Snow, and Matlab• My team collaborated with the Department of Natural Resources of Maryland on a project for 4 weeks where we identified trouble areas of the Chesapeake Bay using different statistical methods and ranking systems	
PUBLICATIONS	Eduardo L. Montoya, Nehemias Ulloa, and Victoria Miller. (2014) A Simulation Study Comparing Knot Selection Methods With Equally Spaced Knots in a Penalized Regression Spline. <i>International Journal of Statistics and Probability</i> , v.3, n.3, p. p96. (URL) Rosemary K. Le, Christopher V. Rackauckas, Anne S. Ross, and Nehemias Ulloa. (2013) Assessment of Statistical Methods for Water Quality Monitoring in Marylands Tidal Waterways. <i>SIAM Undergraduate Research Online (SIURO)</i> , vol. 6. (URL)	
AWARDS	Alliance for Graduate Education and the Professoriate (AGEP) Fellowship , Iowa State University Aug 2013 - June 2018 <ul style="list-style-type: none">• Joint-fellowship between Iowa State University, the University of Iowa, and the University of Northern Iowa dedicated to increasing the number of underrepresented minorities obtaining graduate degrees in science, technology, engineering and mathematics.	
COMPUTER SKILLS	Mathematical Computing: R, SAS, C++, SPSS, MPLUS, JMP Other: \LaTeX , Git	