





Nehemias Ulloa

POSITION	Biostatistician		
CONTACT INFORMATION	 661.428.5419  nulloa.github.io	 nehemiasulloa@gmail.com  Chula Vista, CA	
PROFILE	Ph.D. trained statistician with experience using various methodologies. At CVB, I assessed real data by applying a DOE framework and lead other team members in applying correct methodologies. In my dissertation, I created bayesian hierarchical models to forecast influenza rates using multiple data streams.		
TECHNICAL SKILLS	Methods: Bayesian Statistics, Forecasting, Design Of Experiments, Data Viz, Hierarchical Modeling Programming: R, C++, SPSS, MPLUS, SQL, Git, \LaTeX Statistical Computing: SAS, Stan, JAGS, Shiny, JMP		
WORK EXPERIENCE	Center for Veterinary Biologics (CVB), APHIS, USDA		July 2019 - Present
	Remote - Chula Vista, CA, Main Office - Ames, IA		
	Senior Staff Statistician		Nov 2022 - Present
	<ul style="list-style-type: none">• Evaluated experimental designs and resulting data from vaccine safety and efficacy trials• Created statistical methods to evaluate new assay technologies• Consulted with scientists to provide statistical advice on their projects (study design and analysis)• Acted as supervisor & trained junior staff on statistical procedure• Communicated results via written reports and oral presentations to internal and external clients• Worked with IT to implement Shiny applications and the purchase of a Shiny server		
	Staff Statistician		July 2019 - Nov 2022
	<ul style="list-style-type: none">• Evaluated experimental designs and resulting data from vaccine safety and efficacy trials• Managed multiple projects related to statistical consultation for scientist and researchers• Provided statistical advice on sound study design to regulators for new regulations• Communicated findings both in writing and orally to scientists		
	Iowa Monarch Conservation Consortium		Jan 2019 - June 2019
	Ames, IA		
	Research Assistant		
	<ul style="list-style-type: none">• Maintained and cleaned datasets for a R package• Created scripts to automatically create figures and tables for grant reports		
	After, Inc.		May 2018 - Dec 2018
	Norwalk, CT		
	R Shiny Developer Intern		
	<ul style="list-style-type: none">• Maintained and developed over 100 client reports with R Shiny• Created and improved reporting templates to standardize reports across clients		
EDUCATION	PhD in Statistics		June 2019
	Iowa State University		
	<i>Thesis:</i> Bayesian Hierarchical Modeling and Analysis for Disease Outbreaks <i>Advisor:</i> Dr. Jarad Niemi		
	MS in Statistics		May 2017
	Iowa State University		
	<i>Creative Component:</i> Application of Polynomial Regression to Dyadic Data <i>Advisor:</i> Dr. Fred Lorenz		
	BS in Mathematics		May 2013
	California State University, Bakersfield		
LANGUAGES	English, Spanish		