

Isaac Quintanilla

Isaac Noe Quintanilla Salinas

✉ iquin002@ucr.edu

🌐 www.inqs.info
he/him/his/él

EDUCATION

- 2016-Present **PhD Candidate in Applied Statistics**, *University of California, Riverside*.
Advisor: Dr. Esra Kürüm
Riverside, CA
- 2013-2015 **Master of Public Health**, *San Diego State University*.
Concentration in Biostatistics
San Diego, CA
- 2009-2013 **BS in Biology**, *California State University, Monterey Bay*.
Minor in Mathematics
Cum Laude
Distinction in Major
Seaside, CA

EXPERIENCE

Research

- 2015-2016 **Association between religiosity and clinical trial participation**, San Diego, CA.
UC San Diego Moores Cancer Center
UCLA-MTPCCR Program
Mentor Georgia Robins Sadler PhD MBA BSN
Evaluating the relationship between religiosity and participation barriers and benefits to cancer clinical trials among Hispanic Americans. We used different psychometrics to measure religiosity and participation in cancer clinical trials. We used basic correlation to measure the association.
- 2015-2016 **Antibiotic Usage Study along the CA Border Region**, San Diego, CA.
CDPH Office of Binational and Border Health
Mentors: Esmeralda Iniguez-Stevens PhD MPH and Jennifer Smith MPH
Evaluating the relationship between certain demographics and antibiotic usage behaviors among shigellosis cases in the California-Mexico Border Regions. I created basic descriptive statistics and bivariate statistics to test the association between characteristics. I created a visual graphs to guide the analysis such as displaying the antibiotic duration by patient.
- Summer 2014 **Vaccine Exemption Study in Los Angeles County**, Los Angeles, CA.
County of Los Angeles Department of Public Health
Mentors: Alex Ho MD MPH, Heena Hameed MPH, and Douglas Morales MPH
We performed a spatial analysis on the geographic distribution on vaccine exemption rates among kindergarten students in Los Angeles County. I conducted a literature review to learn more about different spatial statistics, vaccine-preventable-diseases, and personal belief exemptions.
- 2013-2014 **Project Fresh Air**, San Diego, Ca.
Center for Behavior Epidemiology and Community Health
San Diego State University
Mentors: Melbourne Hovell PhD MA MPH, John Bellettiere MPH MS, and Saori Obayashi PhD
Project Fresh Air is an intervention study to see how the behaviors of participants change once knowing the air quality in their homes. I helped with day to day tasks from collecting both biological samples to creating visual charts in R while learning about intervention studies.

- Summer 2012 **Donor Age and Mortality after Lung Transplantation Study**, New York, NY.
 Department of Biostatistics
 Columbia University Medical Center
 Mentors: David Lederer MD MPH and Matthew Baldwin MD MPH
 We analyzed the effects of lung donor age and post-lung transplant mortality. We developed proportional hazard models and survival curves to evaluate the relationship between donor age and mortality. Our research has been published in the American Journal of Transplantation.
- Teaching, Mentoring, and Tutoring**
- Summer 2021 **Associate Instructor**, *UC Riverside, Department of Statistics*, Riverside, CA.
 Developed and taught STAT 147: *Intro to Statistical Computing* course. Utilized technology to teach statistical programming to undergraduate students.
- Winter-Spring 2021 **Creator, Coordinator, and Mentor**, *SMART Program, UC Riverside, Department of Statistics*, Riverside, CA.
 Developed, coordinated and mentored for the Statistical Mentoring in Applied, Research, and Technology (SMART) Program. Developed a mentoring program for undergraduate students to be mentored by graduate students for a quarter. Coordinated the pilot program in Spring 2021. Mentored an undergraduate student in developing an R package to teach advanced statistical techniques.
- 2017-2021 **Teaching Assistant**, *UC Riverside, Department of Statistics*, Riverside, CA.
 Supported instructors in several Statistics courses. These courses ranged from Introductory Statistics to Regression, ANOVA, and Design.
- Summer 2020 **Instructor**, *Upward Bound*, Riverside, CA.
 Taught Public Health and Geometry to underserved High School students from UC Riverside's Upward Bound Program. My responsibilities were to deliver instructions in a virtual setting. An R package was developed to teach public health concepts and programming simultaneously.
- Summer 2019 **Instructor**, *Upward Bound*, Riverside, CA.
 Taught Statistics and Data Analysis to underserved High School students from UC Riverside's Upward Bound Program. I was responsible in developing both the Statistics and Data Analysis course to teach students how to work with data. Students learned how to analyzed different types of data and how to program in R.
- Summer 2018 **Instructor**, *Upward Bound*, Riverside, CA.
 Taught Public Health, 2nd Year Research (STEM/Social Science/Humanities), and Math (Algebra 2, Pre-Calculus, and Calculus Levels) to underserved High School students from UC Riverside's Upward Bound Program. I was responsible in developing the Public Health course and challenge students perspectives about different communities. Second Year Research entailed advising students on their research projects in any field they chose.
- Summer 2017 **Instructor**, *Upward Bound*, Redlands, CA.
 Taught Epidemiology, Math Research, and Math/Science (Pre-Calculus and Calculus Levels) to underserved High School students from UC Riverside's Upward Bound Program. I was responsible in developing the Epidemiology to help High School students develop there critical thinking skills and raise awareness of the different career options they could pursue.
- 2015-2016 **Mentor/Instructor**, *Summer Science Enrichment Program*, San Diego, CA.
 Mentored students to conduct literature reviews, write manuscripts, and analyze data. In addition, I worked with my colleagues to develop a course in statistics. The course focused on teaching the basics of statistics which included descriptive statistics, statistical tests, and regression.
- 2011-2013 **Math Tutor**, *Department of Mathematics and Statistics*, Seaside, CA.
 Held Open Study Hall where students received help in mathematics and statistics.
- 2011-2013 **Science Tutor**, *Academic Skills Achievement Program*, Seaside, CA.
 California State University, Monterey Bay,
 Lead groups of 4-6 students to promote independent learning. Students were encouraged to ask each other questions, looking through their notes and book before asking tutors for help. Mainly tutored general chemistry, but I tutored other Sciences.

- 2010 **Math and Science Tutor**, *Recruitment in Science Education*, Seaside, CA.
Presented science experiments to local High School students to encourage them to pursue a scientific career and attend college. Tutored students in math or science during study hall.

Educational Programs

- 2015 **Minority Training Program in Cancer Control Research**
Fielding School of Public Health
University of California, Los Angeles
- 2014 **Public Health Scholars Program**
Department of Public Health
County of Los Angeles
- 2012 **Biostatistics Enrichment Summer Training Diversity Program**
Department of Biostatistics
Mailman School of Public Health
Columbia University Medical Center
- 2011 **Summer Medical and Dental Education Program**
College of Physicians and Surgeons
Columbia University

PRESENTATIONS

- 2021 **National Institute of Statistical Sciences** *Virtual*
Overview of Joint Longitudinal-Survival Models: Modeling the Association Between Dependent Outcomes
Presenter: Isaac Quintanilla
- 2016 **San Diego County Epidemiology Exchange** *San Diego, CA*
Geographic Distribution of Vaccine Personal Belief Exemption in San Diego County.
Presenter: Isaac Quintanilla
- 2014 **Public Health Scholar Presentations** *Los Angeles, CA*
Vaccination Exemptions among School Children in Los Angeles County
Presenter: Isaac Quintanilla
- 2014 **Epidemiology Brown Bag Meeting** *Los Angeles, CA*
Vaccination Exemptions among School Children in Los Angeles County
Presenter: Isaac Quintanilla
- 2013 **SEP Capstone Spring 2013 Capstone Festival** *Seaside, CA*
Phylogenetic and Biochemical Analysis of a Novel Acidovorax Species Isolated Using Diazinon Enrichment Culture
Presenter: Isaac Quintanilla
- 2013 **Tri-Beta Pacific District Convention** *Azusa, CA*
Phylogenetic and Biochemical Analysis of a Novel Acidovorax Species Isolated Using Diazinon Enrichment Culture
Presenters: Isaac Quintanilla and Brittany Munoz
- 2012 **BEST Research Symposium** *New York, NY*
Donor Age and Mortality after Lung Transplantation: A Cohort Study
Presenters: Isaac Quintanilla and Imaani Easthausen

PUBLICATIONS

Poster

Quintanilla, I. (2016). Geographic Distribution of Vaccine Personal Belief Exemptions in San Diego County. Poster presented at San Diego County Epidemiology Exchange. San Diego, CA

Reuter C., **Quintanilla I.**, Bellettiere J., Berardi V., Robusto K., Hughes S., Hovell M. (2015). The Effect of Prompts to Increase Stair Use Among Escalator Users. Poster presented at SDSU Student Research Symposium. San Diego, CA.

Quintanilla Salinas I, Munoz Brittany, Anastasia Steph, Haffa A. (2013). Phylogenetic and Biochemical Analysis of novel Acidovorax Species isolated using Diazinon enrichment culture. Poster presented at CSUMB Capstone Festival. Seaside, CA.

Peer-Reviewed Journals

Gill AS, Perez L, **Salinas INQ,** Byers SR, Liu Y, Hickey BL, Zhong W, Hooley RJ. *Selective Array-based Sensing of Anabolic Steroids in Aqueous Solution by Host:Guest Reporter Complexes.* Chemistry. 2019. 25(7):1740-1745. doi: 10.1002/chem.201804854

Bellettiere J, Chuang E, Hughes SC, **Quintanilla I,** Hofstetter CR, Hovell MF. *Association Between Parental Barriers to Accessing a Usual Source of Care and Children's Receipt of Preventative Services.* Public Health Reports. 2017. 132(3):316-325. doi: 10.1177/0033354917699831

Pretanvil JA, **Salinas IQ,** Piccioni DE. *Glioblastoma in elderly: treatment patterns and survival.* CNS Oncology. 2016. 6(1):19-28. doi: 10.2217/cns-2016-0023.

Baldwin MR, Peterson E, Easthausen I, **Quintanilla I,** Colago E, Sonett JR, D'Ovidio F, Bacchetta M, Costa J, Diamond J, Christie JD, Arcasoy SM, Lederer DJ. *Donor age and early graft failure after lung transplantation: a cohort study.* Am J Transplant. 2013. 13(10):2685-95. Epub 2013/08/26. DOI: 10.1111/ajt.12428.

Reports

Santibáñez M, Yoon S, Britton J, **Quintanilla I,** Dowling SH, Noregia A, Fernandez A. *Border Health Epidemiology Report 2015.* California Department of Public Health Office of Binational and Border Health. 2016.

Santibáñez M, Yoon S, **Quintanilla I,** Ta T, Fernandez A. *Border Health Status Report 2012-2014.* California Department of Public Health Office of Binational and Border Health. 2015.

AWARDS and HONORS

2021 CNAS DEI Scholarship

2021 CNAS CUSP Associate

2020-2021 UCR Statistics Department Outstanding TA Award

2020-2021 Graduate Research Mentorship Program

2016-2019 Eugene Cota-Robles Fellowship

2013 SDSU Graduate Equity Fellowship

2013 CSUMB Capstone Grant

TECHNICAL SKILLS

Programming R, C++ and SAS
Software SPSS, ArcGIS, and Microsoft Office
OS Windows and Linux
Other LaTeX

LANGUAGES

English Fluent
Spanish Conversational