Jose Toledo Luna

Contact Information

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Education

UNIVERSITY OF CALIFORNIA, LOS ANGELES   September 2021-Present
   Ph.D. in Statistics

CALIFORNIA STATE UNIVERSITY, FULLERTON   May 2021
   Masters of Science, Statistics

CALIFORNIA STATE UNIVERSITY, FULLERTON   May 2019
   Bachelor of Arts, Mathematics: Probability and Statistics

SANTA ANA COMMUNITY COLLEGE   December 2016
   Associate in Science: Mathematics

Teaching Experience

UNIVERSITY OF CALIFORNIA, LOS ANGELES   Summer 2022 – Present

Teaching Associate (Spring 2023 – Present)

   STATS 10: Introduction to Statistical Reasoning   (Spring 2023)

   STATS 21: Python and Other Technologies for Data Science   (Spring 2023)

   STATS 100B: Introduction to Mathematical Statistics   (Summer 2023)

   STATS 100C: Linear Models   (Summer 2023)

Teaching Assistant (Summer 2022 – Winter 2023)

   STATS 10: Introduction to Statistical Reasoning   (Fall 2022, Winter 2023)

   STATS 13: Introduction to Statistical Methods for Life and Health Sciences   (Summer 2022)

CALIFORNIA STATE UNIVERSITY, FULLERTON   Fall 2019 – Spring 2021
Teaching Associate

   Math 115: College Algebra   (Fall 2019)

   Math 120: Elementary Statistics   (Spring 2020, Fall 2020)

   Math 338: Statistics Applied to Natural Sciences   (Spring 2021)

Publications

Luna, J, Jaynes, J, Xu, H, Wong, WK. Orthogonal array composite designs for drug combination experiments with applications for tuberculosis. Statistics in Medicine. 2022; 1- 18

Software

Toledo Luna J (2023). `ggDoE`: Modern Graphs for Design of Experiments with 'ggplot2'. R package version 0.7.9, `https://CRAN.R-project.org/package=ggDoE`

Awards/ Fellowships

Eugene V. Cota-Robles Fellowship (2021-2025)

Graduate Readiness and Access in Mathematics (GRAM) NSF Fellowship (August 2017 – May 2019), Advised by Dr. Jessica Jaynes

Talks and Presentations

Contributed talk: Enhancing Efficient Global Optimization Through a Kriging Based Space Reduction
International Conference of Design of Experiments, University of Memphis, May 08-11. 2023

Poster: Orthogonal Array Composite Designs for Drug Combination Experiments
Society for Advancement of Chicanos/Hispanics and Native Americans in Science, Austin, Texas 2018

Contributed Talk: On Comparisons of Bayesian and Frequentist Estimators
Research for Undergraduates Summer Institute of Statistics, Oregon State University, 2018

Poster: Drug Combinations for KB Oral Cancer
Section Mathematical Association of America, San Diego State University, 2017

ADVISING	PROJECT RAISE: GRADUATE RESEARCH MENTOR

Assist first-generation undergraduate students across different community colleges with the following summer research projects

GOLDEN WEST COLLEGE   Summer 2019
Project: Accounting for Type II Error in the Judgment of Significance
of Effects in a Two-Level Factorial Design

LOS ANGELES COMMUNITY COLLEGE   Summer 2020
Project: Using Bayesian Analysis to Predict the Final Outcome
for the 2019 FIFA Women's World Cup

ORANGE COAST COMMUNITY COLLEGE   Summer 2021
Project: Development of an R package for creating modern graphs
using ggplot2 for Design of Experiments

WORK EXPERIENCE	SOUTHERN CALIFORNIA COASTAL WATER RESEARCH PROJECT — November 2020 - September 2021

Statistical Programmer

Develop statistical software for applications in storm water best management practices, and emerging contaminants. This included creating R shiny web applications, R packages and/or Python libaries for clients.

CALIFORNIA STATE UNIVERSITY, FULLERTON   Summer 2017
INSTRUCTIONAL ASSISTANT   January 2018 - June 2018

Assisting professor during the lecture lab component of an Introductory Statistics course. Helping students out with their lab assignments and get them familiarized with the software such as R.

SANTA ANA COMMUNITY COLLEGE   September 2015 - December 2016
MATH TUTOR

Assisting students with their math classwork from courses ranging from pre-algebra to linear Algebra, inclduing introductory statistics courses.

DIMARCO, ARAUJO, & MONTEVIDEO LAW FIRM   November 2014 - October 2015
FILE CLERK

Carry out inspections on incoming material to verify validity of content. Maintain files precisely and professionally, Assemble material that needs to be filed. General office duties.

TECHNICAL SKILLS	R Python Git/Github Linux LaTeX