

# JOSE TOLEDO LUNA

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## CONTACT INFORMATION

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Website: <https://toledo60.netlify.app/>

## EDUCATION

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

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

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

SANTA ANA COMMUNITY COLLEGE  
Associate in Science: Mathematics  
December 2016

## TEACHING EXPERIENCE

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

## AWARDS/ FELLOWSHIPS

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

## RESEARCH EXPERIENCE

PROJECT RAISE: GRADUATE RESEARCH MENTOR  
Assist first-generation 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

CALIFORNIA STATE UNIVERSITY, FULLERTON, CA  
UNDERGRADUATE RESEARCH  
August 2017 – May 2019  
Program: Graduate Readiness and Access in Mathematics (GRAM)  
Project: Drug Combinations for KB Oral Cancer  
Advisor: Dr. Jessica Jaynes  
Presented:

- Section Mathematical Association of America (MAA 2018, MAA 2019)

- Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS 2018, SACNAS 2019)

OREGON STATE UNIVERSITY, OR Summer 2018  
UNDERGRADUATE RESEARCH

Program: Research for Undergraduates Summer Institute of Statistics

Project: Comparison of Bayesian and Frequentist Estimators

Advisor: Dr. Javier Rojo

## 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 libraries 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, including 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 L<sup>A</sup>T<sub>E</sub>X