

ALEJANDRA LOPEZ

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EDUCATION

Ph.D. 2025, Pardee RAND Graduate School, Policy Analysis
M.S. 2021, Purdue University, Mathematics
B.S. 2019, Arizona State University, Mathematics
A.S. 2017, Mesa Community College, Mathematics

RECENT PROFESSIONAL EXPERIENCE

Adjunct Professor 2022-Present
Pepperdine University Malibu, California

Assistant Policy Researcher 2021-Present
RAND Corporation Santa Monica, California

Teaching Assistant 2019-2021
Purdue University West Lafayette, Indiana

Instructor's Assistant 2018-2019
Arizona State University Tempe, Arizona

RESEARCH EXPERIENCE

Global Migration Narratives 2021-Present
Metropolitan Group, Migration Policy Institute, RAND Corporation, National Immigration Forum

Climate Services for Risk Informed Anticipatory Action 2021-Present
Oregon State University, GOAL, RAND Corporation, Harvard Humanitarian Initiative

Pathogen Mutation and Seasonal Forcing in Zoonotic Spillover 2020
American Institute of Mathematics, Climate Research Network

Matrix Convex Sets 2019-2020
Purdue University-Graduate Bridge Program

Quantum Metric Spaces 2018-2019
Arizona State University School of Mathematical and Statistical Sciences

Economics of Prison: Modeling the Dynamics of Recidivism 2018
Mathematical and Theoretical Biological Institute

CONFERENCES

Presenter 2018
Society for Advancement of Chicanos/Hispanics and Native Americans in Science

Nominee 2018
Field of Dreams

INVITED TALKS

Ponente 2020
Diálogos Universitarios: Charlando con Científicas Mexicanas

PAPERS

K. Aguilar, S. Booker, F. Latremoilire, and A. Lopez. An Ideal Convergence. Notices of the American Mathematical Society, September 2021 Hispanic Heritage Issue

K. Aguilar and A. Lopez. A Quantum Metric on the Cantor Space. 22 pages, submitted(2019), ArXiv:1907.05835

A. Lopez, N. Moreira, A. Rivera, B. Amdouni, B. Espinoza, C. Kribs. Economics of Prison: Modeling the Dynamics of Recidivism. 20 pages, submitted (2018), <https://qrlssp.asu.edu/content/economics-prison-modeling-dynamics-recidivism>

HONORS AND AWARDS

Dean's Diversity, Equity, and Inclusion Award 2021
Pardee RAND Graduate School

Youth Development Promoter in Costa Rica 2019
Peace Corps

Purdue Doctoral Fellowship 2019
Purdue University

Study Abroad Diversity Scholarship 2018
Arizona State University

Transfer Achievement Award 2017
Arizona State University

J Delores Griffel Scholarship 2016
Mesa Community College

Former Deferred Action for Childhood Arrivals (DACA) 2014
United States of America

PROFESSIONAL ASSOCIATIONS

Latinx Y Mas ERG, Co-Lead Internal Communication, 2022-Present
American Mathematical Society, 2020-present
International Racquetball Association, 2018-present

LANGUAGES

Languages: Spanish (Native), English (Fluent), French (Basic)

Software: Python, Latex, R, MatLab, Python

FIELDWORK EXPERIENCE

Belize, Honduras