

# Latinxs and Hispanics in Mathematical Sciences



## Lynette Guzmán

Lynette Guzmán, PhD, is a mathematics education researcher and teacher educator. Born and raised in San Antonio, Texas, she is a Tejana at heart (and, of course, loves Selena). Dr. Guzmán earned her PhD in mathematics education at Michigan State University and is a former National Science Foundation Graduate Research Fellow and University Enrichment Fellow. She was a Postdoctoral Research Associate at the University of Arizona under the mentorship of Dr. Marta Civil where she worked closely with mathematics education faculty and prospective mathematics teachers. Dr. Guzmán is currently an Assistant Professor of STEM Education in the department of Curriculum and Instruction at California State University, Fresno.

Dr. Guzmán's scholarship centers on addressing inequities in education for historically marginalized students with a focus on identity and power. Her areas of expertise and interest include identities and discourses within mathematics education; digital media literacies; critical race studies in education; and qualitative methods and methodologies. She has published numerous book chapters and articles in peer-reviewed journals as well as delivered both national and international presentations. Her most recent work explores how social media and digital technologies could be used as transformative educational tools to examine critical perspectives on global issues, often with attention to quantitative perspectives. Dr. Guzmán is currently the educational researcher on a longitudinal, multi-institutional effort to improve mathematical success of historically marginalized students in undergraduate-level mathematics courses in California's Central Valley. The project aims to develop scalable digital modules using adaptive learning technologies that instructors can use alongside humanizing practices in mathematics classrooms to support student learning.

Dr. Guzmán knows what it feels like to be loved in sustaining places thanks to nearly two decades of experiences in counterspaces made by Latinx scholars, for Latinx scholars. She believes she would not have earned her PhD without these communities, countless mentors, and time to be in healing spaces. This is why Dr. Guzmán devotes energy to outreach for students of color and continues this service alongside her scholarship. Her mentoring and service activities include both formal and informal mentoring relationships with graduate students, undergraduate students, and several K-12 STEM-based outreach programs. Ultimately, though, Dr. Guzmán wants young people to pursue their passions and manifest their gifts in ways that create joy, regardless of whether or not that involves a STEM-based career path.

*"Hispanic Heritage Month means celebrating and honoring legacies of giants whose shoulders we stand upon. I would not be in the positions I have without the gracious support of my (too many to list) Latinx mentors. It means shining spotlights on our loving communities with all our wonderful contributions to the world. It reminds me of the beautiful histories and brilliance that we have to share."*

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Lathisms was founded in 2016 in order to showcase the contributions of Latinx and Hispanic mathematicians during Hispanic Heritage Month, which is celebrated in the United States from September 15 and October 15 every year. During this time, we feature/reveal a prominent Latinx/Hispanic mathematician daily. See all the featured mathematical scientists at [LATHISMS.ORG](http://LATHISMS.ORG).

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