
Alexander Abuabara, Ph.D.

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Education

- Ph.D., Urban and Regional Science, Texas A&M University, College Station (2022)
Dissertation: Applications of Causal Bayesian Networks in Urban Planning
- M.S., Production Engineering, Federal University of São Carlos, Brazil (2006)
Thesis: A Mixed Integer Programming Approach Applied to Multi-Period Industrial Planning (original in Portuguese)
- B.S., Civil Engineering, University of São Paulo, Brazil (2001)

Academic positions

Department of Landscape Architecture & Urban Planning, Texas A&M University

- Instructional Assistant Professor (2024-present)
- Postdoctoral Research Associate (2022-2024)

Teaching

- URPN 210, URPN 310 Analytical Methods I, II
- URPN 325, URPN 326/PLAN 626 Introductory, Advanced GIS
- PLAN 604 Planning Methods
- URSC 642 Analytical Methods II

Service

- Faculty Senator, College of Architecture (2024-present)

Papers

<https://scholar.google.com/citations?hl=en&user=r7vp11AAAAAJ>

1. Abuabara, A., & Morabito, R. (2009). Cutting optimization of structural tubes to build agricultural light aircrafts. *Annals of Operations Research*, 169 (1), 149-165.
2. Horney, J. Karaye, I., Abuabara, A., Gearhart, S., Grabich, S. & Perez-Patron, M. (2020). The Impact of Natural Disasters on Suicide in the United States. *Crisis*, 42 (5), 328-334.
3. Blanks, J., Abuabara, A., Roberts, A., & Semien, J. (2021). Preservation at the Intersections: Patterns of Disproportionate Multihazard Risk and Vulnerability in Louisiana's Historic African American Cemeteries. *Environmental Justice*, 14 (1), 1-14.

Research projects collaboration

- Hurricane Evacuation Studies: Southeastern Texas (2024-2025), Texas Coastal Bend (2018-2019), and Texas Valley (2014-2016). US Army Corps of Engineers.
- Risk-Based Community Resilience Planning (2022-2024). National Institute of Standards and Technology.
- The Adoption and Utilization of Hazard Mitigation Practices by Jurisdictions along Gulf and Atlantic Coasts (2016-2018). National Science Foundation.