Alexander Abuabara, Ph.D.

Website: https://abuabara.github.io
Email: abuabara@tamu.edu

Education

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

Academic positions

Wm Michael Barnes '64 Department of Industrial and Systems Engineering, Texas A&M University

- Instructional Assistant Professor (2025-present)

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

- Instructional Assistant Professor (2024-2025)
- Postdoctoral Research Associate (2022-2024)

Teaching

- DAEN

Service

- Faculty Senator, College of Architecture (2024-2025)

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.*