



Transportation Data Science Seminar Series

Generational Trends in Travel Mode Choice

Seminar summary

Many studies suggest that today's young adults, broadly referring to those born in the last two decades of the 20th century, are less auto-centric than the previous generations. At the same time, the rise of technology-enabled mobility services drives new business models and changes the urban mobility landscape. This talk will discuss five closely related questions about the factors associated with changes in mobility patterns across generations:

- What is the true impact of the economic recession of 2007-2009 to the Millennials generation?
- What are the synergy effects of life course events?
- Can shared mobility services lower travel-related greenhouse gases (GHGs) emissions?
- How do different age groups use shared micromobility services differently?
- Will Generation Z continue to delay driver's license acquisition?

To answer these questions, we conducted extensive investigations of the US National Household Travel Survey (NHTS) data and New York City's Bike Share System data. This talk will be helpful for planners and professionals interested in the impacts of new mobility services and tracking future mobility trends. This seminar series is co-organized by Department of Landscape Architecture and Urban Planning, Transportation Institute, and Institute of Data Science at Texas A&M University.

Speaker's information



Dr. Kailai Wang is an Assistant Professor of Supply Chain and Logistics Technology in the Department of Construction Management at the University of Houston. Before joining UH, he worked as a postdoctoral researcher in the 3 Revolution Future Mobility Program at the UC Davis Institute of Transportation Studies from 2019-2020. He received his Ph.D. in City and Regional Planning from The Ohio State University in 2019. His research interests lie at the nexus of transportation, urban planning, and spatial data science. Dr. Wang has first-authored papers on several peer-reviewed journals, such as *Journal of Planning Education and Research*, *Transportation*, *Transportation Research Part A & Part F*, *Journal of Transport Geography*. He is now a committee member of the TRB's Standing Committees on Emerging and Innovative Public Transport and Technologies (AP020) and Bicycle Transportation (ANF20). He has also served the academic community by acting as a reviewer for a list of prestigious peer-reviewed journals, books, and conference proceedings.

Time: 8:00-9:00 p.m. US Central Time (Thursday, June 3, 2021)

Zoom Meeting ID: 732 641 0814 Passcode: 575829

Direct Link: <https://tamu.zoom.us/j/7326410814?pwd=cGZKY045dmVkdzVRLy9MYWhocWorQT09>

Faculty Host: Xinyue Ye, LAUP & Urban Data Science Lab



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