Fatemeh N. Salout (Noorizadehsalout)

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Education

University of Illinois Chicago — Chicago, IL
Master of Science in Statistics — *In Progress*

University of Illinois Chicago — Chicago, IL
Master of Urban Planning and Policy, Urban Transportation — *Dec. 2025*

Islamic Azad University Tehran North Branch — Tehran, Iran
Bachelor of Urban Planning — *May 2022*

Technical Skills

Programming & Data: Python, R, SQL, Excel, Git/GitHub
Statistical Methods: Linear and Logistic Regression, Maximum Likelihood Estimation, Hypothesis Testing, Bootstrap, Bayesian Methods, Monte Carlo Simulation, Experimental Design
Machine Learning: Ridge, Lasso, LDA/QDA, SVM, k-NN, k-Means, Neural Networks, Cross-Validation, Model Selection, Model Diagnostics
Causal & Applied Methods: Difference-in-Differences, Fixed Effects, Event Studies, Panel Data Analysis, Causal Inference

Selected Research & Data Projects

Employment Effects of High-Frequency Public Transit — 2026
Researcher & Co-Author — Urban Science — *Chicago, IL*

- Built a tract-level longitudinal dataset integrating GTFS, ACS, and LEHD/LODES data to examine how changes in public transit access affected neighborhood employment outcomes.
- Implemented fixed-effects difference-in-differences and event-study models with bootstrap inference, placebo tests, alternative specifications, and robustness checks.
- Evaluated model assumptions and temporal patterns and translated quantitative results into interpretable tables, visualizations, and research conclusions.

Experience

Graduate Research Assistant — Jan. 2023 – Aug. 2026
Urban Transportation Center, University of Illinois Chicago — *Chicago, IL*

- Translated open-ended research and stakeholder questions into structured analytical problems by identifying appropriate data, outcomes, assumptions, and quantitative methods.
- Integrated and analyzed multi-source transportation, demographic, employment, and survey datasets to identify patterns, compare scenarios, and support evidence-based decision-making.
- Conducted exploratory, statistical, and geospatial analyses and communicated findings, uncertainty, limitations, and technical recommendations to academic and government stakeholders.
- Contributed to projects involving transit accessibility, employment access, remote-work behavior, demand-response transit, and transportation technology evaluation.

Teaching Assistant — Aug. 2026 – Present
University of Illinois Chicago — Calculus for Business — *Chicago, IL*

- Lead undergraduate discussion sections and explain mathematical reasoning, quantitative concepts, and problem-solving strategies to students with varied technical backgrounds.
- Support student learning through guided problem solving, assessment feedback, grading, and individual academic assistance.

Selected Honors

Transport Chicago Student Work Competition Finalist (2026) | WTS Executive Partnership Scholarship (2024) | American Public Transportation Foundation Board Scholarship (2023, 2024)