Navid Safahieh

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Education

Ph.D. in Economics, Purdue University — Expected 2027
M.Sc. in Economics, University of Tehran — 2021
B.Sc. in Civil and Environmental Engineering, Sharif University of Technology — 2018

Research Interests

Transportation Economics, Search and Matching, Macroeconomics, Causal Inference

Job Market Paper

Match Now, Arrive Later: Transport Markets with Remote Search

- I develop a dynamic spatial directed search model of transport markets with remote matching, in which carriers are hired while still far from the cargo and customers wait while they travel. As trips become more valuable, carriers stop sailing empty to the cargo and wait to be hired remotely, and customers hire more distant carriers. In a Persian Gulf–Europe–Asia application, closing Bab el-Mandeb can raise fees and cut shipments on the route to Asia, which does not use the passage, and remote matching amplifies this spillover.

Publications

Modeling the Accuracy of Traffic Crash Prediction Models

- *IATSS Research*, 2022 (with Rashidi, Keshavarz, Pazari, and Samimi). Models forecast accuracy across 31 Iranian provinces using macroeconomic and road-traffic indicators.

Working Papers

When Outside Options Shape the Labor Market: A Directed Search Perspective

- Directed search model with skilled/unskilled workers and high-/low-tech firms shows how skilled workers' outside options raise posted wages but can reduce high-tech firm entry, spilling over to unskilled workers through firm composition and wage competition.

The Heterogeneous Effects of Exogenous Shocks on Public Transportation Demand

- With Kowsar Yousefi and Amir Samimi. A gasoline price shock raised subway usage by roughly 3.9%; usage fell by roughly 42.6% during the COVID-19 pandemic.

Teaching Experience

ECON 252 Principles of Macroeconomics — Instructor, Purdue University — Fall 2025, Summer 2025
Teaching Assistant — 2019–2023
Macroeconomics (PhD), Econometrics, Game Theory — Purdue & Univ. of Tehran

Fellowships and Awards

- Bilsland Dissertation Fellowship, Purdue University — 2026–27
- Outstanding Teaching Award (ECON 252), Purdue University — Fall 2025
- Distinguished Teaching Award (ECON 252), Purdue University — Summer 2025

Programming and Data Skills

Python, R, STATA, MATLAB, Claude Code; structural modeling, numerical equilibrium computation, simulation-based methods. Languages: Farsi (Native), English (Fluent)