Application for Digital Economics and AI Tutorial

Samira Gholami

Contact Information

Department of Economics, Stanford University
Ph.D. in Economics
Email: samiragl@stanford.edu

Graduate Study

I am a fourth-year Ph.D. student in Economics at Stanford University (2023–present), specializing in Industrial Organization and Public Economics. My research focuses on the economics of artificial intelligence, digital platforms, and competition. I have completed graduate coursework in microeconomics, macroeconomics, and econometrics, as well as field courses in Industrial Organization and Public Economics.

Research Interests and Dissertation

My dissertation research examines how artificial intelligence is changing digital markets, with a focus on two related questions: how large language models (LLMs) affect how users access information online, and how competition among AI models shapes the value of new technologies.

In joint work with Cristiana Firullo, Cristobal Cheyre, and Alessandro Acquisti, I study how the adoption of LLMs changes online information seeking. Using detailed browsing data from a field study and a large U.S. web-usage panel, we examine how users choose between search engines and LLMs, and how these choices affect subsequent visits to websites. This research contributes to understanding how AI may change the distribution of online traffic and competition in information markets.

In another ongoing project, I study demand and competition in the market for LLMs. Using data from OpenRouter, a platform that provides access to hundreds of AI models, I examine how users substitute between models, how new model releases affect existing products, and how users value improvements in model capabilities and prices. The broader goal is to understand the benefits of innovation for users and developers, and the implications for competition and entry in AI markets.

Together, these projects reflect my broader interest in how AI changes consumer behavior, firm incentives, and market structure in digital markets.

Faculty Advisors: Liran Einav and José Ignacio Cuesta