

# Zahra Shamlou

Sweden, Stockholm

✉ [zahra.shamlou@su.se](mailto:zahra.shamlou@su.se)

in [LinkedIn](#)

[GitHub](#)

☎ +46 768 53 88 46



## Profile

Hej, I'm a data-driven professional with a background in economics. Proficient in Python, R, and SQL, with hands-on experience in data visualization (Power BI, Tableau), causal inference, dashboard design, and A/B testing. In my recent role at Stockholm University, I contributed to key data analysis projects by applying advanced analytical techniques to extract actionable insights from large datasets. Now I am focused on applying my skills to solve real-world business challenges. While I hold U.S. Green Card, my partner and I plan to stay in Sweden.

## Certifications

**Google Data Analytics Professional Certificate** [Link] Consists of 8 courses that teach tools and platforms including spreadsheets, SQL, Tableau, and R in order to prepare, process, analyze, and share data for thoughtful action.

## Languages

English (Fluent) Swedish (beginner)  
Persian (Native)

## Additional Experience

**High-School Mathematics Teacher**  
Part-time teacher at Sampad (Farzanegan) High School 2014-2017

## Experience

### Data Scientist Experimentation Intern

Reitan Convenience Sweden

Sep 2025-Present  
Stockholm

- Experimentation and A/B Testing Analysis

### Data Analyst and Research Fellow

Stockholm University

Aug 2022-Jul 2024  
Stockholm

- Developed an automated pipeline for digitizing historical tax data by leveraging OCR and Amazon Web Services, increasing the merging rate of individual-level data across years 85% to over 98%, resulting in a clean, structured dataset. This project received funding from the European Research Council (ERC) in 2024.
- Conducted causal inference studies using Difference-in-Differences and matching techniques to analyze the effect of child gender on mortality based on parents' birthplace.

### Data and Research Assistant

Tehran Institute for Advanced Studies

Jan 2021-Aug 2022  
Tehran

- Conducted in-depth analysis and visualization of real estate market trends using Python; designed and implemented regression models to accurately forecast housing prices based on large administrative rent contract data.

### Business Analyst

Avin Fashion House(startup)

Aug 2017-Apr 2019  
Tehran

- Conducted A/B testing across retail partners to optimize product pricing, managed B2B customer relationships and supported sales operations in a growing startup.

## Education

- Master of Econometrics (Statistical Programming)**

2018 – 2021

- Bachelor's in Economics**

2014 – 2018

## Projects

- Newspapers Scraping & Text Analysis** [Github] Used web scraping to collect publicly available newspapers and performed word count text analysis.
- Bellabeat Wellness Data Analysis Case Study** [Github] Analyzed user activity data from Bellabeat, a tech health product company. Explored activity, and calorie data to identify actionable insights for product improvement.
- Predict Income Inequality with Housing Transaction Data** [Github] [ Report] Applied machine learning models and predictive modeling to predict income based on housing values, followed by distributional analysis to estimate income inequality using registered housing transaction data.
- Commuting Cost and Housing Market** Used Difference-in-Differences and quasi-experimental approaches to estimate the causal effect of gasoline price shocks on suburban housing prices.

## Skills

- Programming & Query Languages:** Python, SQL, R, AWS, STATA
- Data & Analytics:** Visualization, Causal Inference, A/B testing, ML
- Tools:** Power BI, Tableau, R Markdown, GitHub
- Business:** Strategy, Business Intelligence (BI), Market research
- Problem Solving:** Data-driven solutions for business challenges
- Attention to Detail:** Ensuring precise code, reports & analysis