

# Saeed Saffari

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## Profile Summary

I am a master's student at the department of economics at the Allameh Tabataba'i University. In 2019, I started the master's program. I felt the need to learn more about economics and relative subjects. Therefore, I began to learn Python and R programming. In Fall 2020, I became a lecturer of "Applied Python in Economics" at the University of Tehran. I am also a teaching assistant for the Econometrics, Macroeconomics, Planning Economics, and Game Theory courses at Tehran and Allameh Tabataba'i universities. In the spring of 2021, I joined the Sharif Policy Research Institute (SPRI) as a researcher and conducted research on taxation, pricing and urban development.

I am interested in learning human behavior, and I enjoy solving mathematical problems and modeling real-world situations with math and machine algorithms. I like to do research and work with different types of data. Furthermore, I enjoy the process of looking at an economic occurrence, thinking about the key empirical factors, and choosing the correct variable and structural choices to generate a model that explains the situation.

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## Education

### Allameh Tabataba'i University

*Master of Economics* (GPA: 3.6/4)

**Iran, Tehran**

*Sep 2019 - Current*

- **Thesis:** Estimating Value-added in Gross Exports and Its relation to Vertical Specialization (The case study of Iran)

Supervised by Prof. Ali Asghar Banoui

- Related Academic Coursework: Econometrics, Game Theory, Development Economics

### University of Tehran

*Bachelor of Economics* (GPA: 3.1/4)

**Iran, Tehran**

*Sep 2015 - Sep 2019*

- Related Academic Coursework: Linear algebra, Mathematical Economics, Financial Economics
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## Research interest

- Machine Learning, Data Analysis
  - Econometrics, Macroeconomics
  - Statistical Modeling, Prediction and Estimation Models
  - Development Economics, Environmental Economics
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## Publication and Academic Projects

- Saffari, S., Banoui, A. (2021). Estimating Domestic Value-added in Gross Exports and Its relation to Vertical Specialization (The case study of Iran). Manuscript in preparation.
  - Tavakolian, H., Ebrahimi, H., Saffari, S. (2021). Predict COVID-19 cases in Iran with VSIRD model. Published within the Allameh Tabataba'i University.
  - Pour Mohammadi, H., et al. (2021). The Public Financial Management in Iran. Planning and Budget Organization. Under publication.
  - Saffari, S. (2021). Development of roads and creation of new cities in Iran. Published Report on Sharif Policy Research Institute.
  - Saffari, S., et al. (2021). Optimal pricing policies in Iranian industries. Published Report on Sharif Policy Research Institute.
  - Saffari, S., et al. (2021). Value-Added Taxation (VAT) in Iran. Project on Sharif Policy Research Institute.
  - Naji, M., Samimi, Y., Saffari, S. (2021). The Social Impact and Its Relation with Social Entrepreneurship and Social Innovation (Case Study: Iran). Manuscript in preparation.
  - Saffari, S. (2020). Research and analyze Iran's economy data and compare with other countries. Project at University of Tehran.
  - Saffari, S. (2018). Writing a report comparing the countries' budgets. Project at University of Tehran.
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## Work Experiences and Teaching

- **Economics Researcher, Sharif Business Think Tank Institute**  
Under the supervision of Prof. Ali Marvi  
Sharif University of Technology  
Apr 2021 - current
  - **Lecturer, Principles of Programming (Python in Economics)**  
Academic Course for Undergraduate students  
University of Tehran  
Sep 2020 - current
  - **Teaching Assistance, Advance Macroeconomics (Graduate)**  
Under the supervision of Prof. Mehdi Naji  
University of Tehran  
Aug 2020 - current
  - **Teaching Assistance, Advance Econometrics (Graduate)**  
Under the supervision of Prof. Hossein Tavakolian  
Allameh Tabataba'i University  
Mar 2021 - current
  - **Research Assistance**  
Under the supervision of Prof. Ali Asghar Banoui  
Allameh Tabataba'i University  
Oct 2020 - current
  - **Teaching Assistance, Macroeconomics (Undergraduate)**  
Under the supervision of Prof. Hossein Tavakoliann  
Allameh Tabataba'i University  
Mar 2021 - current
  - **Teaching Assistance, Game Theory (Undergraduate)**  
Under the supervision of Prof. Ali Marvi  
Allameh Tabataba'i University  
Sep 2020 - current
  - **Teaching Assistance, Planning Economics (Graduate)**  
Under the supervision of Prof. Ali Asghar Banoui  
Allameh Tabataba'i University  
Mar 2021 - current
  - **Teaching Assistance, Advance Macroeconomics (Graduate)**  
Under the supervision of Prof. Hossein Tavakolian  
Allameh Tabataba'i University  
Oct 2019 Feb 2020
  - **Python for Economics workshop**  
Course material on GitHub  
University of Tehran  
Sep 2021
  - **Python for Economics workshop**  
Course material on GitHub  
Al-Zahra University  
May 2021
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## Certificates and Courses

- Enrolled summer school in **Economic Complexity** organized by the ZHAW School of Management and Law (SML) in collaboration with the University of Lausanne and Harvard Growth Lab. Jun 2021
  - Enrolled **Behavioral Development Economics** full term courses by Prof. Gautam Rao from Harvard University. Jan 2021
  - Certificate of completion **Machine Learning** from Stanford University on Coursera online courses. Aug 2020
  - Certificate of completion **Introduction to Data Science in Python** from University of Michigan on Coursera online courses. Aug 2020
  - Enrolled **Using Big Data to Solve Economic and Social Problems** course from Harvard University by Professor Raj Chetty on Opportunity Insights courses. Aug 2020
  - Enrolled **Data Analysis for Social Scientists** course from MIT University by Prof Esther Duflo on edX online courses. Aug 2020
  - Certificate of completion **Game Theory** and **Game Theory II: Advanced Applications** from Stanford University on Coursera online courses. May 2020
  - Enrolled **Macroeconomic Diagnostics** course from IMF on edX online courses. Jun 2020
  - Certificate of completion **R Programming for Data Science: High Volume Data** on LinkedIn online courses. Aug 2021
  - Certificate of completion **R Programming for Statistics and Data Science** on Udemy online courses. Apr 2020
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## Skills

- **Programming Language:**
    - Python, R, MATLAB, Julia, C++
  - **Software:**
    - Stata, EViews, Dynare, SPSS, GAMS, Mathematica
    - LaTeX, Microsoft Office, MS Project
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