

# Majid Einian

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## PhD in Economics, Economics Researcher & Data Scientist

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#10, Africa Blvd., Argentina Sq. Tehran, Iran.

## Education

### **Ph.D. in Economics** (Sep 2010 – August 2019)

Economics Department, Graduate School of Management and Economics (GSME), Sharif University of Technology (SUT), Tehran, Iran

- Dissertation: Essays on Explaining the Household Consumption Smoothing

### **M.Sc. in Socio-Economic Systems Engineering – Economics** (Sep 2007 – Sep 2010)

Economics Department, GSME, SUT, Tehran, Iran

- Thesis: Analyzing the Effects of Monetizing Energy Carriers' Subsidy on Expenditures and Welfare of Iranian Households

### **B.Sc. in Industrial Engineering** (Sep 2003 – Sep 2007)

Industrial Engineering Department, SUT, Tehran, Iran

- Thesis: Change Point Detection in Process Mean Using an Artificial Neural Network

## Publication

Zamani, O., Farzanegan, M., Loy, J. P., & Einian, M. (2021). The Impacts of Energy Sanctions on the Black-Market Premium: Evidence from Iran. *Economics Bulletin*, 41(2), 432-443.

Einian, M., & Nili, M. (2020). Excess Sensitivity and Borrowing Constraints: Evidence from Iranian Households. *Economics of Transition and Institutional Change*. 28 (1), 137-160.

Einian, M. & Souri, D. (2018). Poverty Maps of Iran. *Fifth International Conference on Iran's Economy*, International Iranian Economic Association and International Institute of Social History, Amsterdam (Netherlands), 8-9 March.

Einian, M., & Ranjbar Ravasan, F. (2017). A Perfect Specialization Model for Gravity Equation in Bilateral Trade based on Production Structure. *International Economics Studies*. 46 (1), 1-8.

Einian, M., & Nili, M. (2016). Elasticity of Intertemporal Substitution: An Investigation in Iran, *Journal of Money and Economy*. 11(2), 207-223.

Einian, M. (2015). Household Financial Inclusion in Iran, chapter in *The Vision of Financial System of Iran: Selected Papers and Reports*, Monetary and Banking Research Institute, Tehran.

### Software Package:

Einian, M. (2014). BCDating: business cycle dating and plotting tools. R package version 0.9.7.

published on CRAN: <http://cran.r-project.org/web/packages/BCDating/>, and by Microsoft: <https://mran.microsoft.com/package/BCDating/>

### Selected Publications in Persian:

Shahidi, Z., Jalali-Naini, S. A. R., & Einian, M. (2020). Liquidity Constraints and Durable/Non-durable Consumption Relationship in Iran, *The Journal of Planning & Budgeting*, 24 (3), 3-34.

Einian M., Najafi, F., & Mahmoodzadeh, A. (2019). Credit Cycles of the Iranian Economy. *Monetary and Banking Research (Pajhuyeshhaye Puli-Banki)* 11 (38), 598-565.

Einian, M. (2018). Financial Development and Decline in Iran: A Quantitative Dynamic General Equilibrium Model. *Quarterly Journal of Quantitative Economics*. 14 (4), 183-209.

Einian, M. & Barakchian M. (2014) Measuring and Dating Business Cycles of the Economy of Iran, *Monetary and Banking Research (Pajhuyeshhaye Puli-Banki)*, 7 (20), 161-194.

Einian, M. & MohseniRad, S. (2014) *Energy Market Reform Plan; 5: Analysis of Household Welfare State Developments*. Published by Institute for Management and Planning Studies, Tehran.

## Awards and Honors

Ranked 3<sup>rd</sup> in Iran's 2007 Nationwide Entrance Exam to "Socio-Economic Systems Engineering" Masters Programs among almost 8000 volunteers.

2018 Best Money and Banking Paper, Central Bank of the Islamic Republic of Iran (Financial Development and Decline ...)

## Work Experience

### **Data Analysis, Research and Research Management Experience**

#### **Monetary and Banking Research Institute<sup>1</sup>** (Full-time Nov 2010 –now)

- Studied and authored several papers and reports on banknote demand, business cycles and credit cycles, financial inclusion, financial development, and financial stability, real money balances, e-banking security, banking services fees, inter-bank overnight market. Prepared R code to create the technical reference requirements of implementing the Iranian banking IFRS standards in XBRL

#### **Research Center of the Parliament of the Islamic Republic of Iran** (Part-time June 2017-now)

- Heading a team on building a sustainable structure for studying the poverty and household welfare in Iran

#### **Sharif Science & Technology Park** (Part-time Jan 2020-now)

- Estimating the economic effect of the Sharif University of Technology

#### **Institute for Management and Planning Studies<sup>2</sup>** (Full-time assignee Jan – Feb 2014, Part-time Jul 2015 – Mar 2016)

- Prepared poverty maps of Iran using big data analysis approaches
- Authored report on analysis of household welfare changes after energy subsidy reform

#### **Short-Term Jobs**

*Rahnaman (2021)*: Producing Reports on household demographics & consumption trends

*Bridge Answers (2021)*: Authored business-oriented summaries of recent finance scientific articles

*Daneshgoo (2020)*: Authored content on poverty in Iran

*Bank Sepah (2018)*: Optimized bank portfolio based on huge loan data

*Refah Chain Stores Co (2015)*: Prepared HEIS data for marketing analysis

*Sazepardazi Iran (2014)*: Forecasted imports and non-oil exports of Iran 2012-2025

*Sharif Inst. Econ. & Indust. Studies (2009-2010)*: Studied Impacts of energy price reforms on Iranian household

*Iran-Khordo (2007)*: Modeled and simulated the press shop

*ITMCO (2006)*: Authored report on hidden costs of quality in ITMCO

*MAPSA (2004)*: Designed and implemented a coding system and software for documents

### **Academic Reviewer**

Geo Journal, Journal of Money and Economy, Iranian Journal of Economic Studies

**Journals in Persian:** Journal of Monetary & Banking Research, Journal of Economic Research and Policies, Journal of Quantitative Economics, Journal of Planning and Budgeting

**Conferences:** Poverty Research Festival, Annual Conference on Monetary and Foreign Exchange Policies, Annual Conference on E-Banking and Payment Systems

### **Consultancy Experience**

*German Savings Banks Foundation for International Cooperation<sup>3</sup>*, Local Expert (Nov 2016) "Strengthening of the financial sector in the Islamic Republic of Iran and in the Republic of Turkey to support the local population and the refugees living there".

### **Teaching Experience**

#### **University Courses**

Allameh Tabataba'i University (Spring 2011)

- Macroeconomics I (Undergrad 3 Credits)
- English for students of Economics: E-Commerce (Grad 3 Credits)

Iran Banking Institute<sup>4</sup>

- Mathematics for students of Banking (Fall 2010 & Fall 2011: Undergrad 3 Credits)

#### **Short-term courses**

Data Analysis and Econometrics with R (Bank Karafarin: 2021, TelAS: 2019, MBRI: 2018, 2017, 2013, 2012)

Introductory Statistical Analysis (MBRI 2017, Bank Saderat 2016)

Introduction to "Iranian Household Expenditures and Income Surveys" (MBRI 2013)

## Languages

English: Fluent

Persian: Native

Azerbaijani: Intermediate

Turkish: Intermediate

<sup>1</sup> MBRI, affiliated with the Central Bank of Islamic Republic of Iran

<sup>2</sup> IMPS, formerly Institute for Research in Planning and Development (IRPD); affiliated with the Presidency Office

<sup>3</sup> Sparkassenstiftung für internationale Kooperation

<sup>4</sup> IBI, affiliated with the Central Bank of Islamic Republic of Iran

## References

**Dr. Masoud Nili**, Associate professor, GSME, SUT / former director of IMPS

**Dr. Farhad Nili**, Former director of MBRI / former senior advisor to executive director of the World Bank

**Dr. Seyed Mahdi Barakchian**, Assistant professor, GSME, SUT / former manager of modeling group at MBRI / former deputy director of research at IMPS

**Dr. Farshad Fatemi**, Assistant professor, GSME, SUT / former deputy director of research at MBRI

**Dr. Seyed Ali Madanizadeh**, Assistant professor, GSME, SUT / former manager of modeling group at MBRI

**Dr. Amineh Mahmoodzadeh**, Assistant professor, GSME, SUT / former project manager at MBRI

**Dr. Ramin Mojab**, Assistant professor, MBRI

**Dr. Hamidreza Tabarraei**, Economist, International Monetary Fund

***ANY of my coauthors!***