

Tayyebeh Aliakbari

CONTACT INFORMATION

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Texas Tech University Department of Economics,
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EDUCATION

Ph.D. in Economics, Texas Tech University (GPA: 4.00) 2018–2023 (Expected)
M.Sc. in Financial Engineering, K. N. Toosi University of Technology, Iran 2011–2013
B.Sc. in Industrial Engineering, University of Science and Technology, Iran 2007–2011

TEACHING EXPERIENCE

Texas Tech University - Instructor

ECO 2305: Essentials of Economics Fall 2022
ECO 2301: Principles of Microeconomics Summer & Fall 2021, Spring & Summer & Fall 2022
(Supported by McGraw Hill Connect and Pearson MyLab Economics)
Teaching Evaluations: [Here](#)

Texas Tech University - Teaching Assistant

ECO 3327: Antitrust Law and Economic Regulation Spring 2021
ECO 3326: Industrial Organization and Competitive Strategy Fall 2019, Fall 2020
ECO 4306: Econ and Business Forecasting Spring 2020
ECO 5347: Industrial Organization Theory Fall 2019
ECO 3311: Intermediate Macroeconomics Spring 2019
Tutor at Economics Tutoring Center Fall 2018, Summer 2020

RESEARCH INTERESTS

Primary: Macroeconomics & Monetary Economics, International Economics, Financial Economics
Secondary: Energy Economics, Time Series Econometrics

RESEARCH

“Spillover effect of U.S. monetary policy to global stock markets: The role of safe assets and financial development”, Job Market Paper

In this paper, I analyze the impact of U.S. monetary policy on global stock market returns through channels of safe assets and financial development. First, I estimate a Panel Vector Auto Regression Model (P-VAR) on 25 economies’ data from 2001 to 2014. The results suggest that higher levels of financial development and increasing safe assets shortages mitigate the negative impact of the U.S. monetary policy on global stock market returns. Second, to rationalize the empirical findings, I develop a two-country Dynamic Stochastic General Equilibrium (DSGE) framework that encompasses heterogeneity in the level of financial development across economies and features a range of real-world financial market structures such as nominal price rigidity, monetary policy shock, risk premium shock, and uncovered interest parity shock in an incomplete asset market structure. Based on the calibrated model, I find that improvement in financial development can dampen impact of U.S. monetary policy on assets’ excess returns, consistent with empirical findings. These findings provide new insights into understanding the role of safe assets and financial development in affecting the impact of U.S. monetary policy on global stock markets.

“Impact of international trade on portfolio dynamics: Substitution and income offsetting channels”, Work in Progress

This paper develops a two-country Dynamic Stochastic General Equilibrium (DSGE) model to investigate the impact of international trade on portfolio dynamics through offsetting channels of substitution and income. To understand the impact of these opposite channels, I isolate international trade’s substitution and income effects through some possible structural modifications such as financial market frictions, Greenwood-Hercowitz-Huffman preferences, and dynamic trade elasticity. Furthermore, I investigate the implications of Households’ risk aversion on equilibrium portfolios through changes in international trade’s elasticity of substitution. This paper goes a long way toward understanding the impact of financial and non-financial shocks on portfolio allocation under international trade and financial integration.

“Impact of oil shocks on renewable energy consumption, under different financial structures: Evidence from oil-rich and non-oil-rich economies”, Work in Progress

Using a GARCH-VAR model, this paper quantifies the importance of financial structures on economies’ renewable energy consumption in response to oil shocks. Economies with developed financial structures can provide external capital to domestic businesses and corporations, ease their external borrowing constraints, lower their financial costs, and improve their technology investment. These have the potential to increase their renewable energy consumption in response to any unfavorable oil shocks. Since economies’ financial structures exhibit significant heterogeneity, this paper investigates the asymmetric role of financial structures on renewable energy consumption across oil-rich or non-oil-rich economies. The finding of this paper can provide policy recommendations for a variety of macroeconomic energy concerns.

RESEARCH EXPERIENCE

Research Assistant: **“Analysis of Core Metrics for Resilience and Recovery”**

Center for Risk-Based Community Resilience Planning, A NIST-funded Center of Excellence, Colorado State University, Supervisor by Dr. Bradley T. Ewing, Summer 2022

Responsibilities: Data Collecting, Econometrics Analysis, and Empirical Modeling

CONFERENCE PRESENTATIONS

Southern Economic Association, 92st Annual Meeting, Fort Lauderdale, Florida, Nov 2022 (Scheduled)

Arts and Humanities Research Paper Conference, 12th Annual Meeting, Texas Tech University, Lubbock, Nov 2022 (Scheduled)

Missouri Valley Economic Association, 59th Annual Meeting, St. Louis, Missouri, Oct 2022

PROFESSIONAL EXPERIENCES

Senior Financial Analyst in Pasargad Brokerage Company, Tehran, Iran 2016-2017

Financial Analyst in MA Insurance Company, Tehran, Iran 2014-2016

HONORS & SCHOLARSHIP

- Texas Tech Graduate Student Research Support Award, Fall 2022-Spring 2023.
- Texas Tech Competitive **TEACH** Fellow, Fall 2022-Spring 2023.
- Texas Tech Dr. Rashid Al-Hmoud Competitive Scholarship in Economics, Fall 2022-Spring 2023.
- Texas Tech Parent & Family Relations Scholarship, Fall 2022-Spring 2023.
- Graduate Student Fellowship, Southern Economic Association, Fall 2022.
- Texas Tech Study Abroad Competitive Scholarship (SACS), Spring 2021.

- Ranked 200 in the Nationwide University Entrance Exam for Master Program among over 55k Participants, Iran, 2011.
- Full Scholarship for Master of Financial Engineering, K. N. Toosi University of Technology, 2011.
- Ranked 339 in the Nationwide University Entrance Exam for Bachelor Program among over 300k Participants, Iran, 2007.
- Full Scholarship for Bachelor of Industrial Engineering, University of Science and Technology, 2007.
- Honored Talent Award by the Governor of Southern Khorasan Province and the City Council in Iran's National University Entrance Examination, 2007.

PROGRAMMING

Stata, MATLAB, Python, LATEX

LANGUAGE

Fluent in English and Persian

REFERENCES

Dr. Xiaohan Ma (Chair)
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Director of Graduate Studies
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Texas Tech University
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