

Davood Arghavan

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Research Interests

- Corporate Finance
- Financial Markets and Institutions
- Sustainable Finance
- Financial Big Data Analysis
- Personal Finance

Education

- **Master of Business Administration, Strategic Management** (Sep 2012 - Jun 2014)
Semnan University, School of Economics and Management, Semnan, Iran
- *GPA*: 18.54/20
- *Thesis*: The Effect of Strategic Thinking on Organizational Performance Regarding Diagnostic and Interactive Use of Control Systems as Mediating Variables
- **B.Sc. Electrical Engineering** (Sep 2007 - Jun 2012)
Shahed University, School of Engineering, Tehran, Iran
- *Project*: Designing Small Hydropower Plants

Publications

- **Analyzing the Efficiency of Iran Currency Exchange Market Using Dynamic Conditional Correlation** (Under Review)
Journal of Mathematics and Modeling in Finance,
H. Nezamdoust, M. Qezelbash, S. Tajdini, **D. Arghavan**
- **Innovative Deposit Products in Woori Bank** (Under Review)
Journal of Money and Economy, Central Bank of I.R. Iran,
C. Han, H. Kwon, S. Tajdini, M. Lotfi Ghahroudi, **D. Arghavan**
- **Economic-Military Power (Case Study: China vs. the US)** (Under Review)
Korean Journal of Defense Analysis,
S. Tajdini, A. Taiebnia, C. Han, M. Lotfi Ghahroudi, **D. Arghavan**
- **The Comparison Between Volatility and Herd Behavior in the Stock Market and Bitcoin** (Under Review)
Ledger Journal,
C. Han, S. Tajdini, M. Lotfi Ghahroudi, **D. Arghavan**
- **A New Business Model in Decentralized Asset Investment Trading** (Working Paper)
C. Han, M. Lotfi Ghahroudi, **D. Arghavan**
- **Consensus Mechanism Solutions and Their Energy Consumption** (Working Paper)
C. Han, M. Lotfi Ghahroudi, **D. Arghavan**

Test Scores

- **TOEFL iBT Test**: Total Score **111/120** (May 2022)
Reading (30/30), Listening (28/30), Speaking (23/30), Writing (30/30)
- **GRE General Test**: Total Score **332/340** (May 2022)
Quantitative Reasoning 168/170 (91st Percentile)
Verbal Reasoning 164/170 (94th Percentile)
Analytical Writing 5/6 (91st Percentile)

Honors and Awards

- Recognized as **Exceptional Talent** during Master's Program
- Ranked 2nd in Master's Program

Teaching Experience

- **Faculty of Economics, Management, Semnan University**
 - TA for Graduate Strategic Management (Spring 2014)
 - TA for Graduate Strategic Planning in Practice (Fall 2014)

Dr. Feyz
Dr. Jamshidi

Relevant Courses

- **Master of Business Administration**
 - Microeconomics: 20/20 (Ranked 1st)
 - Macroeconomics: 19.25/20 (Ranked 1st)
 - Quantitative Decision-Making: 20/20 (Ranked 1st)
 - Development Management: 19.75/20 (Ranked 1st)
 - Strategic Planning: 19/20 (Ranked 2nd)
 - Strategic Planning in Practice: 19/20 (Ranked 2nd)
 - Management Information Systems: 16.5/20 (Ranked 3rd)

Work Experience

- **Novel Trading Algorithm "Arghavan"** (2021)
Trading Algorithm Designed and Tested with Proven Outstanding Performance
sites.google.com/view/davoodarghavan/home
- **Financial/Technical Expert** (Feb. 2018 - Present)
Saina Gostar Pardisan Company
- **Financial Markets and Crypto Market Expert and Teacher** (Sep. 2017 - Present)
Self Employed, Part-Time

Academic & Professional Certificates

- **Finance**
 - Understanding Financial Markets
University of Geneva
 - FinTech: Foundations, Payments, and Regulations
University of Pennsylvania
 - Introduction to Financial Accounting
University of Pennsylvania
 - Trading Strategies in Emerging Markets Specialization
Indian School of Business
 - Trading Algorithms
Indian School of Business
 - Advanced Trading Algorithms
Indian School of Business
 - Creating a Portfolio
Indian School of Business
 - Design Your Own Trading Strategy: Culminating Project
Indian School of Business

- **Data Science & Programming**
 - Business Metrics for Data-Driven Companies
Duke University
 - Programming for Everybody (Getting Started with Python)
University of Michigan
 - Exploratory Data Analysis for Machine Learning
IBM Skills Network
- **Strategy & Consumer Behavior**
 - Advanced Business Strategy
University of Virginia
 - The Basics of Supply and Demand and Consumer Behavior
University of Rochester
 - Introduction to Marketing
University of Pennsylvania

**Programming
and Data
Science Skills**

- Python, R, Object Oriented Programming, MySQL, GitHub
- Machine Learning Algorithms (Supervised and Unsupervised) and Techniques, Text Mining, Web Crawling
- Familiar with MATLAB
- Business Analytics Tools: PowerBI, Tableaue
- Development Environments: PyCharm, Jupyter Notebook
- Typsetting: L^AT_EX, Office Word

**Personal
Interests**

- Self Development
- Camping
- Hiking
- Movies and Documentaries