Elaheh Rabiee

Email: elahehrabiee@ksu.edu   Tell: 424-388-9765

1432 McCain LN, Apt #335, Manhattan, KS, 66502

EDUCATION

- Ph.D. in Agricultural Economics, Kansas State University (KSU)   Aug 2022-present

- M.A in Economics, Kansas State University (KSU)   Aug 2020-May 2022
  GPA: 4
- B.Sc. in Pure Mathematics, Amirkabir University of Technology (AUT)   Aug 2008-Feb 2013
  GPA: 3.5

RESEARCH INTERESTS

- Agribusiness Economics
- Applied Statistics
- Machine Learning

PUBLICATIONS

- Pour, Ehsan Sadeghi, Hossein Jafari, Ali Lashgari, **Elaheh Rabiee**, and Amin Ahmadisharaf. "Cryptocurrency Price Prediction with Neural Networks of LSTM and Bayesian Optimization." *European Journal of Business and Management*

TEACHING EXPERIENCE

- **Graduate Teaching Assistant (KSU)**   Aug 2020-May 2022
  ECON110, ECON120, ECON510, ECON520, ECON605, ECON631

- **Teaching Assistant**, **Mathematical Analysis**   Aug 2010-Aug 2011
  Under supervision of Dr. Mir Mohammad Rezaii, Amirkabir University of Technology

JOB EXPERIENCE

- **R&D Internship** at **Abbott**   Summer 2022
  Improving pacemakers' performance with classical machine learning

  Experience with machine learning libraries and data science toolkits, such as TensorFlow, Keras, R, Scikit-learn, Pandas, NumPy

FELLOWSHIPS AND AWARDS

- The K-State Alumni Association International Student Scholarship   Spring 2021
- The K-State Alumni Association International Student Scholarship   Spring 2020
- Assistantship GTA at KSU   2020-2022
- Fellowship at AUT   2008- 2013

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TEAMWORKING AND ACTIVITIES

- Women in Economics, Treasurer   May 2021-May 2022
- Graduate Students of Economics, Treasurer   March 2021-May 2022
- Iranian Graduate Students Association, Vice President   Oct 2020-May 2022
- Math club at AUT, President   Aug 2010-Aug 2011

ACADEMIC PROJECTS

Econometrics:

- Collecting data, testing hypothesis, and building simple and multiple linear regressions in Stata

- Diagnose potential problems with linear models

- Remedy data

Operations Research:

- Analyzed non-linear mathematical modeling and optimization with Excel, LINGO and WinQSB

Statistics & Finance:

- Forecasting the price of stocks in Hafez Street Market with Meta Trader

Numerical Analysis:

- Employed Newton-Raphson, Perpendicular Line and Midpoint methods to find roots in mathematical equations

ONLINE COURSES

- **Accounting:** Khatam University (Dec 2016)
- **Marketing:** Khatam University (Aug 2017)
- **Data Mining:** Amirkabir University of Technology (Aug 2018)
- **Machine Learning:** Amirkabir University of Technology (Aug 2018)

COMPUTER SKILLS

- **Optimization Software:** WINQSB, LINGO
- **General:** Microsoft Office (Word, Excel, PowerPoint, Access, Visio), AutoCAD, Maple, Meta Trader
- **Programming:** STATA, R, Python