

HAMID SHAFIEZADEH

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Contact

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Education

Economics (Financial Economics Concentration), Master of Science , Texas A&M University	Dec. 2018
Master of Public Administration , Texas A&M University	May 2014
Master of Business Administration , Industrial Management Institute	Sept. 2010
Bachelor of Science in Material Science , Isfahan University of Technology	Feb. 2003

Professional Experience

First National Bank of Omaha **June 2019- Present**

Analyst, Quantitative Modeling at Treasury Department

- Developed quantitative models for Capital Stress Testing- such as Mortgage Loan volume (purchase and refinance), Commercial loans, and Commercial losses
- Assisted the Treasury Department with ALM and Interest Rate Risk model
- Prepared economic analysis related to the U.S macroeconomic and re-developed the Model from the Federal Reserve to estimate the weekly Probability of Recession
- Applied R programming language and R-Studio tools such as RMarkdown, and Shiny App for analyzing and modeling data, and communicating the results
- Used several data sources such as S&P Global Marketing, Bureau of Labor Statistics, Bureau of Economic Analysis, Moody Analytic Data Buffet, Federal Reserve Board, and in-house data sets such as Business Object, Essbase, and FN BI
- Other Projects:
 - **fedz1 package**: This is an R package. The objective of *the fedz1* package is to provide easier access to Z1 data. The project is a web scrapping that brings more than twenty thousand datasets into one place. In addition to access to all data, users can use functions to explore tables, definitions, and the meaning of each series. This is my [presentation](#) about the package at the [2023 R/Finance Conference](#).
 - **Loan Data**: DataCamp.com launched the project. They provided info on 10,000 borrowers, and we were required to analyze it in two weeks.)
 - **2022 Table Contest** by R Studio: [The contest](#) was about highlighting the many great ways people transform and present data. My submission got an honorable mention. Please find here the [table](#).

Texas A&M University

June. 2013-Sept.2018

Research Assistant/Instructor

- Conducted statistical and econometric analyses (e.g., Linear Regression, Probit Regression, Hypothesis Testing, etc.) utilizing R and STATA to answer questions in economics and public policy such as energy markets, water markets, environmental policy and education policy
- Gathered, cleaned and analyzed data from variety of data sources on energy price, water market, labor market, education and etc. by utilizing SQL, Access, and Excel
- Led academic research projects and published the results as a report or a peer reviewed journal paper
- Contributed in survey design and data gathering at both national and local level
- Instructor of ECON 202: Principles of Economics (82 students, Evaluation: 4.59/5)
- Teaching Assistant for Introduction to Econometrics, Economic Development, Economics of Multinational Firms, and Principles of Economics

Supplying Automotive Parts Co. (Sapco)

Sept. 2005-Sept. 2011

Business Analyst

- Developed and improved methods for pricing the services of quality assurance consulting companies

- Managed a budget of \$6 million annually to 17 quality consultant companies with some 700 employees among them and prepared a recommendation for the annual budget
- Wrote and developed policies and procedures to establish an evaluation system for performance of the quality assurance consulting companies
- Evaluated performance of quality consultant companies by on-site audit and by utilizing both available data and collected data
- Analyzed large data in the supply chain for managerial objectives by utilizing SQL, Access, and Excel
- Special recommender for two times: saving costs, and eliminate wastes using Muda and Kaizen concepts
- Representative of the Quality Department in training, and in the Recommendations System

Technical Skills

Statistical Analysis

R, STATA, SAS, JMP

Other

SQL, MS Access, MS Excel, LaTeX

Relevant Conferences, Certificates and Coursework

Applied Finance with R (2022 & 2023) Conference

University of Illinois at Chicago

Posit::conf (2023)

Posit/RStudio

Use R! 2022 Conference

R Foundation

ABA Risk Quantification Forum 2022

The American Bankers Association

The Chartered Financial Analyst (Passed CFA Level I)

Financial Market Analysis

International Monetary Fund | edX

Quantitative Analyst with R

DataCamp

Economics of Money and Banking

Columbia University | Coursera

Probability - The Science of Uncertainty and Data

MIT | edX

Coursework: Econometrics I- III, Microeconomic Theory I-IV, Industrial Organization I, II, Macroeconomics Theory I, II, Statistic in Research, Public Finance, Program Evaluation, Policy Analysis, International Trade Policy, Economic Forecasting, Energy Policy, Finance for Microfinance, Principle of Accounting, Management Accounting, Management Information System, Financial Management, Strategic Management