

Taha Monfared

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EDUCATION

M.Sc. Statistics

Expected January 2018

California State University Fullerton

- Courses include Bayesian statistics, computational statistics, multivariate data analysis, and time series analysis/forecasting
- Giles T. Brown travel grant (2017)

Master of Marketing & E-Commerce

July 2009

Luleå University, Sweden

B.Eng. Industrial Engineering

May 2006

Amir-Kabir University, Tehran, Iran

PROFESSIONAL EXPERIENCE

Research Assistant

November 2015-present

CSU Fullerton Office of Graduate Studies

- Produce reports using Excel and R that summarize CSUF graduate student educational performance
- Recommend allocating more resources towards underrepresented ethnicities to improve graduation rates
- Tutor graduate students on statistics and advise on their capstone projects, using mainly SPSS

Graduate Assistant

May 2017-August 2017

CSU Fullerton Institutional Research and Analytical Studies

- Fulfill data requests using SPSS syntax
- Extract, transform and load (ETL) SPSS data files using SPSS syntax for data warehousing
- Build predictive models for individual student performance

Stock Market Analyst

September 2007-August 2014

Bekhrad International Inspection Services (BIS), Tehran, Iran

- Produce Access database using VBA for web scraping
- Manage portfolios and create live Excel portfolio views for stakeholders
- Develop automated trading systems using Metastock

CONSULTING & RESEARCH

Bayesian Research

July 2017-present

CSU Fullerton

- Explore extending Dirichlet process mixture models (DPMM) for density and functional estimation and inference with univariate gamma kernels to bivariate and multivariate settings
- JSM 2017 Presentation: “Bayesian non-parametric Inference for bivariate mean residual life function”

Business Analysis

August 2017-October 2017

Southern California Edison

- Develop ad hoc reports using PowerPivot, Excel, and Sharepoint
- Create dashboards using Power BI and Tableau
- Leverage relational database theory to extract, transform and load data from various sources using Power BI, data analysis expressions (DAX), and PowerQuery M language

Logo Recognition

January 2017-May 2017

Black Swan Ltd.

- Work as a team to research and develop image processing algorithm to identify company logos in social media images
- Employ Python, Git, Google Cloud, OpenCV, Scikit-learn, and Scikit-image

Marketing Research

July 2008- July 2009

Luleå University

- Conduct research on B2C online retailing using survey, SEM, and multivariate data analysis

COMPUTER SKILLS

- Advanced: R, VBA, SQL, SPSS, PowerPivot, Power BI, machine learning
- Proficient: Python (NumPy, SciPy, Scikit-learn, Pandas, PySpark, MLlib), Shiny, Tableau, Minitab, DAX, PowerQuery, Latex, Linux/bash, Git, Jupyter, SQL Server

PROFESSIONAL DEVELOPMENT

Lynda.com, Big Data & Developer track

- Business analytics: Data reduction techniques using Excel and R
- Learning Python for data science, with Tim Fox and Elephant Scale
- Learning Microsoft SQL Server 2016
- SQL server 2014 essential training
- Advanced SQL Server: Reporting services

PROFESSIONAL AFFILIATION

Founding member/Webmaster, CSUF Data Visualization Club

September 2017-present

Member, American Statistical Association

January 2017-present

Founder/President, CSUF Data Science Student Club

December 2016-May 2017

Founding member, CSU East Bay data science group

January 2014-June 2015