

Saeed Piri

Department of Operations and Business Analytics
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ACADEMIC POSITIONS

Assistant Professor, Department of Operations and Business Analytics, Lundquist College of Business, University of Oregon
August 2018-present

EDUCATION

Ph.D. in Industrial Engineering and Management, 2017
Oklahoma State University, Stillwater, Oklahoma
Dissertation: Developing and Deploying Data Mining Techniques in Healthcare

Master of Science in Industrial Engineering, 2011
Sharif University of Technology, Iran

Bachelor of Science in Industrial and System Engineering, 2008
Amirkabir University of Technology (Tehran Polytechnic), Iran

RESEARCH INTERESTS

Business/Data Analytics, Empirical Operations Management, Decision Support Systems, Healthcare

PUBLISHED MANUSCRIPTS

Piri, S. (2020). "Missing care: A framework to address the issue of frequent missing values the case of a clinical decision support system for Parkinson's disease," *Decision Support Systems*, 136, 113339

Piri, S., Delen, D., Liu, T. (2018). "A Synthetic Informative Minority Over-Sampling (SIMO) Algorithm Embedded into Support Vector Machine to Learn from Imbalanced Datasets," *Decision Support Systems*, 106, 15-29

Piri, S., Delen, D., Liu, T., & Zolbanin, H.M. (2017). "A Data Analytics Approach to Building a Clinical Decision Support System for Diabetic Retinopathy: Developing and Deploying a Model Ensemble," *Decision Support Systems*, 101, 12-27

Piri, S., Delen, D., Liu, T., Paiva, W. (2018). "Development of a New Metric to Identify Rare Patterns in Association Analysis: The Case of Analyzing Diabetic Comorbidities," *Expert Systems with Applications*, 94, 112-125

MANUSCRIPTS UNDER REVIEW

Yu, H., Miao, H., **Piri, S.,** Qiu, H., "A Hybrid Sampling Approach for Evaluation of Classifiers with Unbalanced Data in Clinical Decision Support," invited for 2nd round of review, *Decision Support Systems*.

Piri, S. "Pay-for-Performance Programs Effectiveness in Healthcare: The Case of the End-Stage Renal Disease Quality Incentive Program," under review, *Production and Operations Management*

MANUSCRIPTS IN PREPARATION

Piri, S., Pangburn, M., Cil, E., "The Impact of Ride-Sharing Services on Healthcare Operations," to be submitted by December 2021

Piri, S. "Who Gets More Penalized under ESRD QIP Payment System? Examining the Moderating Effect of Chain Affiliation for Dialysis Providers," In preparation.

Piri, S. "Digital Technologies and Social Justice: The Case of Organ Transplantation," In preparation.

Vahdati, Y., Voss, K., **Piri, S.,** "CEO Activism and Firm Performance: The Role of CEO Ideology," In preparation.

Pendem, P., **Piri, S.,** "The Operational Value of Integrated Warehouse and Logistics on Logistics Performance and Business Growth for Sellers in Online Retail Platforms" In preparation.

CONFERENCE PROCEEDINGS

Piri, S., Liu, T., "Multistage Ordering and Pricing Decisions via Robust Dynamic Programming," IISE Annual Conference & Expo 2014, Montreal, Canada

CONFERENCE PRESENTATIONS

Piri, S., "Pay-for-Performance Programs Effectiveness in Healthcare: The Case of the End-Stage Renal Disease Quality Incentive Program," 2021, POMS 31st Annual Conference, Online.

Piri, S., "Pay-for-Performance Programs Effectiveness in Healthcare: The Case of the End-Stage Renal Disease Quality Incentive Program," 2021 MSOM Conference, Indiana, Online.

Piri, S., "Missing Care: A Framework to Address the Issue of Frequent Missing Values; The Case of a Clinical Decision Support System for Parkinson's Disease," 2019 INFORMS Annual Meeting, Seattle, Washington

Piri, S., "Developing Predictive Models for Parkinson's Disease by Analyzing an Imbalanced Dataset," 2018 INFORMS Annual Meeting, Phoenix, Arizona

Piri, S., Delen, D., Liu, T., "Challenges in Learning from Imbalanced Datasets," DSI 2017 Annual Meeting, Washington DC

Piri, S., Delen, D., Liu, T., "Developing a Synthetic Informative Minority Over-Sampling (SIMO) Algorithm Embedded in Support Vector Machines to Learn from Imbalanced Datasets," 2017 INFORMS Annual Meeting, Houston, Texas

Delen, D., **Piri, S.**, "Development of a State-of-the-Art CDSS for Diabetic Retinopathy," 2017 INFORMS Healthcare, Rotterdam, Netherlands

Piri, S., Delen, D., Liu, T., "Developing a Weighted Over-Sampling Algorithm Embedded in Support Vector Machines to Predict Diabetic Nephropathy in an Imbalanced Dataset," 2017 IISE Annual Conference, Pittsburgh, PA

Piri, S., Delen, D., Liu, T., "A Non-invasive Diagnostic Method for Retinopathy," 2016 INFORMS Annual Meeting, Nashville, TN

Piri, S., Delen, D., Liu, T., Paiva, W., "A Clinical Decision Support System for Primary Care Providers to Detect Diabetes," 2016 HHDC Research Symposium, Oklahoma City, OK

Piri, S., Liu, T., "Developing clinical decision support systems for diabetes complications," 2015 INFORMS Annual Meeting, Philadelphia, PA

Piri, S., Xue, J., Zolbanin, H., "Data Analytics of customers buying patterns for a leading travel-stops Company," 2014 SAS Analytics Day, Oklahoma State University, Stillwater, OK

Piri, S., Liu, T., "Surveying predictive models for diabetes disease complications," 2014 INFORMS Annual Meeting, San Francisco, CA

TEACHING EXPERIENCES

University of Oregon

- "Python Data Analytics," Fall 2019, Winter 2020, Winter 2021, Spring 2021
- "Business Analytics I," Winter 2019, Fall 2019
- "Predictive Analytics," Fall 2018
- "Business Information Systems," Fall 2018

Oklahoma State University

- Instructor, "Operations Analytics," Fall 2017- Spring 2018
- Teaching Assistant, "Stochastic Processes," Spring 2013 and 2015
- Teaching Assistant, "Introduction to Supply Chain Management," Fall 2014

Amirkabir College of Management and Technology, Iran

- Instructor, "Probability and Statistics," 2009- 2010

Update: October 2021

- Instructor, Industrial Engineering courses such as Stochastic Process and Operation Research, to the applicants of University Entrance Exam for MSc degree, 2008- 2012

SERVICES

Doctoral Dissertation Committee of Meysam Rabiee

Core Course Coordinator, Business Analytics I (OBA311)- Fall 2020

Doctoral Comprehensive Exam Committee of Mansoor Shekarian- Summer 2020

Doctoral Dissertation Committee of Alireza Yazdani- December 2018- June 2019

Faculty advisor, Lundquist team, participating in Adobe Analytics challenge

Journal Reviewer:

Decision Support Systems, Decision Science, International Journal of Production Economics (IJPE), Information Systems Frontiers, Expert System with Applications

Conference Reviewer:

HICSS, IISE

Session Chair:

Modeling and Data Mining in Healthcare, IISE 2017, Business Analytics: Innovative Analytics Methods, DSI 2017

Graduate Vice-President, INFORMS Student Chapter at Oklahoma State University, 2015-2016

President of Student Council, Amirkabir University, Iran, 2005-2006

Executive Manager, National Student Industrial Engineering Convention, Iran, 2007

GRANTS, HONORS, AND AWARDS

John and Emiko Kageyama Award, University of Oregon, 2021

COVID-19 Impact Grant, University of Oregon, 2020

Silver Award, Poster presentation competition at HHDC Research Symposium, 2016

Second place winner of the 3MT competition, Oklahoma State University (OSU), 2016

Second place winner, 2nd Health Innovation Weekend, OSU, 2016

Gilbreth Memorial Fellowship, Institute of Industrial Engineers (IIE), 2015-2016

Distinguished Graduate Fellowship, OSU, 2014-2015

School of Industrial Engineering and Management Scholarship, OSU, 2014-2015

NSF Travel Grant Award, 2014

Oklahoma State University Graduate Fellowship, 2013

Ranked 1st among more than 12,000 participants, "Iranian Nation-Wide University Entrance Exam for M.S. degree," 2008

Ranked 496th among more than 400,000 participants, "Iranian Nation-Wide University Entrance Exam for BSc degree," 2003

Qualified to the semi-final round of national mathematics, computer, and physics Student Olympiad, Iran, 2001-2002

PROFESSIONAL AFFILIATIONS

Institute for Operations Research and the Management Sciences (INFORMS)

Decision Science Institute (DSI)

Association for Information Systems (AIS)

Institute of Industrial and System Engineering (IISE)

Alpha Pi Mu Honor Society

CERTIFICATIONS

SAS and OSU Data Mining Certificate Program, Aug 2013- Dec 2015

Certified Health Data Analyst (CHDA®), AHIMA (American Health Information Management Association)

SAS Certified Statistical Business Analyst Using SAS 9: Regression and Modeling

SAS Certified Base Programmer for SAS 9, Certificate No.: BP054925v9

Strategic Management & Planning, TUV Academy Training. Certificate No.: SPM-IR100704