

Update: September 2023

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 **Fall 2018-present**

EDUCATION

PhD in Industrial Engineering and Management, 2017

Oklahoma State University

Dissertation: Developing and Deploying Data Mining Techniques in Healthcare

MS in Industrial Engineering, 2011

Sharif University of Technology, Iran

BS in Industrial and System Engineering, 2008

Amirkabir University of Technology (aka Tehran Polytechnic), Iran

RESEARCH INTERESTS

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

PEER-REVIEWED PUBLICATIONS

Piri, S., Pangburn, M., Cil, E. (2023). "Impact of Ridesharing Platforms on Hospitals' Emergency Department Admissions," *Decision Support Systems*, forthcoming.

Piri, S. (2023). "Pay-for-Performance Programs Effectiveness in Healthcare: The Case of the End-Stage Renal Disease Quality Incentive Program," *The European Journal of Health Economics*, forthcoming.

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

PAPERS UNDER REVIEW

Rabiee, M., Mirhashemi, M., Pangburn, M., **Piri, S.,** Delen, D. "A Novel, Expert-Augmented, Supervised Feature Selection Methodology," revise and resubmit, *Decision Support Systems*

Yu, H., Miao, H., **Piri, S.,** Qiu, H., "Parameter Retrieval in Hybrid Sampling for Evaluating Classifiers with Unbalanced Data," under 2nd round of review, *Expert Systems With Applications*

Vahdati, Y., Voss, K., **Piri, S.** "CEO Activism and Firm Performance: The Moderating Influence of CEO Political Ideology," under review, *Journal of Marketing*

Yu, H., **Piri, S.,** Qiu, H., Xu, R., Miao, H. "Personalized Algorithmic Pricing Decision Support Tool for Health Insurance: The Case of Gestational Diabetes Mellitus," under review, *Information & Management*

WORKS-IN-PROGRESS

Piri, S. "Digital Technology: Facilitator of Healthcare Access Equity," In preparation (extended abstract is available)

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

Piri, S. "Digital Technologies and Teachers Turnover," In preparation (data analysis).

CONFERENCE PROCEEDINGS

Piri, S., Liu, T., (2014). "Adjustable Robust Optimization for Pricing and Ordering with Dynamic Programming," IISE Annual Conference & Expo, Montreal, Canada

CONFERENCE PRESENTATIONS

Piri, S., Pangburn, M., Cil, E., "Impact of Ridesharing Platforms on Hospitals' Emergency Department Admissions," 2022, Institute for Operations Research and the Management Sciences (INFORMS) Annual Meeting, Indianapolis, Indiana.

Piri, S., Pangburn, M., Cil, E., "Impact of Ridesharing Platforms on Hospitals' Emergency Department Admissions," 2022 Manufacturing & Service Operations Management Conference, Munich, Germany. Accepted for presentation.

Piri, S., Pangburn, M., Cil, E., "Impact of Ridesharing Platforms on Hospitals' Emergency Department Admissions," 2022, Production and Operations Management Society (POMS) 32nd Annual Conference, Online.

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

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., "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," 2017, DSI 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., Liu, T., "Surveying predictive models for diabetes disease complications," 2014, INFORMS Annual Meeting, San Francisco, CA

INVITED PRESENTATIONS

University of California- Santa Clara, 2017

University of Oregon, 2017

University of Tulsa, 2017

TEACHING EXPERIENCE

University of Oregon

- "Python Data Analytics," OBA 410/510
 - Undergraduate, MS, MBA, and Ph.D. Elective
 - Fall 2019 to Fall 2023
- "Business Analytics I," OBA 311
 - Undergraduate Core
 - Winter 2019 to Fall 2019
- "Predictive Analytics," OBA 410/510
 - Undergraduate, MS, and MBA Elective
 - Fall 2018
- "Business Information Systems," OBA 340H
 - Lundquist College of Business Honors Program
 - Undergraduate Core
 - Fall 2018

Oklahoma State University

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

Amirkabir College of Management and Technology, Iran

- "Probability and Statistics,"
 - Fall 2009 and Spring 2010
- Industrial Engineering courses, such as Stochastic Process and Operation Research, to the applicants of the University Entrance Exam for MSc degree, 2008- 2012

SERVICE

Departmental

- *Core Course Coordinator*,
Business Analytics I (OBA 311), 2020-2022
- *Doctoral Dissertation Committee*
Meysam Rabiee, 2021-2022
Alireza Yazdani, 2018-2019
- *Doctoral Comprehensive Exam Committee*
Mansoor Shekarian, 2020

College

- *Faculty advisor*, Lundquist team, participating in Adobe Analytics challenge, 2019
- *Stewart award* selection committee, 2022

University

- *Data Science initiative representative in meetings with Tom Hui (major donor to UO)*, 2022

Professional

- *Journal Editorial Board*:
Journal of Business Analytics, 2018-present
- *Journal Reviewer*:
Decision Support Systems, 2018-present
Decision Sciences, 2018-present
Expert Systems with Applications, 2018-present
Journal of Business Analytics, 2018-present
Information Systems Frontiers, 2019-present
Information Processing and Management, 2021-present
Decision Analytics Journal, 2023-present
International Journal of Production Economics, 2015-2016
- *Conference Reviewer*:
HICSS (The Hawaii International Conference on System Sciences), 2017-2023
IISE (Institute Of Industrial and Systems Engineers Annual Conference), 2014-2015
- *Conference Session Chair*:
32nd Annual POMS Conference, 2022
Healthcare Operations Management
48th Annual Meeting of the Decision Sciences Institute, 2017
Business Analytics: Innovative Analytics Methods,
Institute Of Industrial and Systems Engineers Annual Conference, 2017
Modeling and Data Mining in Healthcare
- *Previous Services*
Vice-President, INFORMS Student Chapter at Oklahoma State University, 2015-2016
Executive Manager, National Student Industrial Engineering Convention, Iran, 2007

GRANTS, HONORS, AND AWARDS

University of Oregon

John and Emiko Kageyama Award, University of Oregon, 2021

COVID-19 Impact Grant, University of Oregon, 2020

New Junior Faculty Research Award, 2018

Oklahoma State University

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

Pre-PhD

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 the national mathematics, computer, and physics Student Olympiad, Iran, 2001-2002

PROFESSIONAL AFFILIATIONS

Institute for Operations Research and the Management Sciences (INFORMS)

Manufacturing & Service Operations Management (MSOM)

Production and Operations Management Society (POMS)

Decision Science Institute (DSI)

Association for Information Systems (AIS)

Institute of Industrial and System Engineering (IISE)

Alpha Pi Mu Honor Society