

Mostafa Rezaei

ESCP Business School
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ACADEMIC APPOINTMENTS

Assistant Professor , ESCP Business School, Paris, France	2021–Present
Postdoctoral Fellow , University of Alberta, Edmonton, Canada	2019–2021
Supervisor: Dr. Ilbin Lee	

EDUCATION

Ph.D. in Operations and Information Systems , University of Alberta, Edmonton, Canada	2014–2019
Supervisors: Dr. Armann Ingolfsson and Dr. Michele Samorani	
Thesis: Essays in business analytics	
Master of Business Administration (MBA) , Semnan University, Semnan, Iran	2009–2012
Thesis: Demand forecasting with support vector regression	
B.Sc in Mechanical Engineering , Amirkabir University of Technology, Tehran, Iran	2003–2009

PUBLICATIONS

Rezaei, M., & Ingolfsson, A. (2024). Forecasting to support EMS tactical planning: What is important and what is not. *Health Care Management Science*, 27(4), 604-630.

Davis, S., Zhang, J., Lee, I., Rezaei, M., Greiner, R., McAlister, F. A., & Padwal, R. (2022). Effective hospital readmission prediction models using machine-learned features. *BMC Health Services Research*, 22(1), 1415.

Arazy, O., Lindberg, A., Rezaei, M., & Samorani, M. [in alphabetic order] (2020). The evolutionary trajectories of peer-produced artifacts: Group composition, the trajectories' exploration, and the quality of Artifacts. *MIS Quarterly*, 44(4).

Rezaei, M., Cribben, I., & Samorani, M. (2018). A clustering-based feature selection method for automatically generated relational attributes. *Annals of Operations Research*, 303(1), 233-263.

Motameni, A., & Rezaei, M. (2013). A hybrid model with independent component analysis and support vector regression for product demand forecasting. *International Journal of Industrial Management Perspectives*, 9, 159-177.

SUBMITTED FOR PUBLICATION

Yi, J., & Packard, M., & Rezaei, M. Effectual learning toward causal competence: A partially observable Markov decision process (POMDP) model of decision-making sequences to new venture emergence. Under review (2nd submission) at *Management Science*.

Rezaei, M., Lee, I., & Beverly, J. The effect of wildfire suppression resources: Targeting fire groups with enhanced treatment effect. Under review at *Manufacturing & Service Operations Management*.

WORKING PAPERS

Rezaei, M., Lee, I., & Szepesvari, C. Optimal off-policy evaluation in finite stochastic partial monitoring. Target journal: *Operations Research*.

Zeinali, Y., Lee, I., & Rezaei, M. Predicting demand for wildfire suppression resources.

Alvelos, F., Bergsten Mendes, A., Rebelo Barros, M., & Rezaei, M. Optimizing suppression resource positioning in wildfire management.

Rezaei, M. Nested pooling: A boosting approach to probabilistic spatio-temporal forecasting of emergency services demand.

TEACHING EXPERIENCE

- ESCP Business School, M.Sc. in Big Data and Business Analytics
 - Machine Learning with Python (Spring 2022, Spring 2023, Spring 2024)
 - Analytical Modeling (Spring 2022, Spring 2023, Spring 2024)
- ESCP Business School, Executive MBA
 - Data Management (Fall 2023)
- ESCP Business School, Ph.D.
 - Machine Learning (Fall 2023)
- University of Alberta, School of Business, B.Sc. and MBA
 - Predictive Business Analytics (Winter 2019, Summer 2019, Fall 2019, Winter 2020)
- Workshop on Statistics and Data Mining
 - South Pars Gas Company, Iran (Winter 2012, Spring 2012, Winter 2013, Spring 2013)

CONFERENCE PRESENTATIONS

- “Optimal Off-Policy Evaluation in Finite Stochastic Partial Monitoring”
 - Optimization and Wildfire Conference (O&W), Luso, Portugal, October 2024
- “Nested pooling: A boosting approach to probabilistic spatio-temporal forecasting of emergency services demand”
 - 50th Operational Research for Health Services Conference, Turin, Italy, July 2024
- “Predicting demand for wildfire suppression resources”
 - 33rd European Conference on Operational Research, Copenhagen, Denmark, June 2024
- “Estimating the treatment effect of initial attack activities in wildfire suppression”
 - POMS International Conference, Paris, France, July 2023
 - Invited talk, Optimization Framework to Manage Forest Fire Workshop, University of Minho, Portugal, May, 2023
 - INFORMS annual conference, November, 2020
- “Forecasting emergency medical call volumes over time and space”
 - EURO Conference, Espoo, Finland, July 2022
 - CORS Annual Conference, Saskatoon, SK, March 2019
 - CORS Annual Conference, Halifax, NS, June 2018
- “The effects of patient unpunctuality on the performance of appointment scheduling systems”
 - POMS Annual Conference, Seattle, WA, May 2017
- “A Clustering-Based Feature Selection Method for Automatically Generated Relational Attributes”
 - INFORMS Computing Society Conference, Richmond, VA, January 2015

SCHOLARSHIPS AND AWARDS

- GRA Rice Graduate Scholarship in Business, University of Alberta, 2018 (\$12,000)
- Alberta School of Business PhD Scholarship, 2014-2017 (\$33,000 per year)
- University of Alberta Doctoral Recruitment Scholarship, 2014 (\$5000)
- Second Best Undergraduate Dissertation, Sharif University Sustainable Energy Festival, 2009

UNIVERSITY SERVICES

- Member of the European Research Committee (ERC), 2023-2024 academic year
- Director of Applied Data Science MiM specialization, 2023-2024 academic year
- Recruitment Committee member
 - IOM Faculty Recruitment, Quantitative Analytics position, Paris Campus, 2023
 - IOM Faculty Recruitment, Quantitative Analytics position, Madrid Campus, 2023
 - IOM Faculty Recruitment, Business Analytics position, Paris Campus, 2022
- Member of IOM Research Seminar Coordination Committee, 2022, 2023
- Student Admission Interviewer, M.Sc. Big data & business analytics, 2022, 2023
- Hackathon Jury Member, M.Sc. Big data & business analytics, 2023, 2024

PROFESSIONAL AFFILIATION AND COMMUNITY SERVICES

- Reviewer
 - Manufacturing & Service Operations Management
 - Health Care Management Science
 - European Journal of Operational Research
 - International Journal of Wildland Fire
 - Artificial Intelligence and Statistics (AISTATS)
 - International Conference on Information Systems (ICIS)
 - Flexible Services and Manufacturing Journal
 - Health Systems
 - Socio-Economic Planning Sciences
- Member
 - Institute for Operations Research and the Management Sciences (INFORMS)
 - Manufacturing and Service Operations Management Society (M&SOM)
 - Production and Operations Management Society (POMS)
 - Canadian Operational Research Society (CORS)
 - International Association of Wildland Fire (IAWF)

- Organizing committee member, *CanQueue, University of Alberta (2018)*
- VP Professional Development, *Business Doctoral Association, Alberta School of Business (2016-2017)*

PROFESSIONAL EXPERIENCE

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| • Project Financial Analyst, <i>Divar Beton Construction Company, Tehran, Iran</i> | 2012–2014 |
| • Research Scientist, <i>Mellat Bank, Tehran, Iran</i> | 2010–2012 |