

Arash Asgari

Alberta School of Business, University of Alberta, Edmonton, Alberta, Canada

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Education

Ph.D. Operations Management, Alberta School of Business, University of Alberta (2019 -)

- Supervisor: Saied Samiedaluie

M.Sc. Systems Optimization, Industrial Engineering, Sharif University of Technology (2016 - 2019)

- Thesis Title: Network analysis and providing a new sampling method based on Friendship Paradox
- Supervisor: Babak Haji

B.Sc. Industrial Engineering, Sharif University of Technology (2011 - 2016)

- Thesis Title: Integration in Making and Designing Casting Molds by Feature Recognition
- Supervisor: Mahmoud Houshmand

Research Interests

- Optimization & operation research in healthcare
- Stochastic processes & queueing Theory
- Statistics & data analytics

Research in progress

- **Optimizing decisions regarding admission to clinical decision units.**
With Saied Samiedaluie, Hossein Abouee Mehrizi, and Manaf Zargoush.
- **Optimizing a call centre's operations for a non-profit organization.**
With Saied Samiedaluie and Armann Ingolfsson.
- **Solving Erlang-C systems with customer abandonment and server unavailability using matrix-analytic methods.**
With Saied Samiedaluie and Amir Rastpour

Teaching Experience

- **Instructor at Alberta School of Business, University of Alberta:**
 - **OM 420 Predictive Business Analytics** (Winter 2022, instructor rating: 4.2/5)
 - **OM 420/620 Predictive Business Analytics** (Fall 2022, instructor rating: 3.2/5)

- **Teaching Assistant at Department of Industrial Engineering, Sharif University of Technology:**
 - **Engineering Statistics** (Spring 2019; Instructor: Majid Khedmati)
 - **Inventory Management I** (Spring 2019; Instructor: Alireza Haji)
 - **Inventory Management I** (Fall 2018; Instructor: Babak Haji)
 - **Operation Research I** (Spring 2019, Spring 2018, and Fall 2018; Instructor: Kourosh Eshghi)
 - **Project Scheduling** (Spring 2015; Instructor: Majid Rafiee)

Reviewing Experience

- Ad hoc reviewer for *IEEE Signal Processing Letters*
- Ad hoc reviewer for *INFORMS Journal on Computing*

Professional Experience

- **Digital Marketing Assistant at Digikala E-Commerce company, Tehran, Iran** (Winter-Summer 2018)
- **Project management assistant at Andishgaran Sepehr Ara consulting engineers company, Tehran, Iran** (Summer - Fall 2016)
- **Layout improvement consultant at Nasir Machine industrial group, Golpayegan, Isfahan, Iran** (Spring - Summer 2016)
- **Tutor, Tehran, Iran** (Fall 2016 – Spring 2019)
Tutoring courses such as Project Control and Scheduling; Probabilities; Statistics; Simulation; Accounting; Operation Research I and II; Inventory Control; Plant Layout; Quality Control

Conference Presentations

- **Model validation for the call centre of a non-profit organization**
Business PhD Research conference (Fall 2022, Fall 2021)
- **Model validation for the call centre of a non-profit organization**
CanQueue (Fall 2021)
- **Staffing the Surgical Short Stay Unit in the Stollery Children's Hospital**
Alberta School of Business PhD Research conference (Fall 2020)

Awards and Honors

- **Life Underwriters Fellowship for PhD Research in Insurance and Related Financial Services**
(Spring 2023)
- **Eric Geddes/Alberta Innovates Fellowship in Health Organization Studies** (Summer 2022)
- **Doctoral Recruitment Scholarship** (Fall 2019)
- **Ranked 3rd in GPA in M.Sc. Industrial Engineering Department at Sharif University of Technology**

Software Skills

- **Statistical:** Stata, SAS
- **Operation Research:** Gurobi, CPLEX
- **Programming:** R, Python, MATLAB
- **Project Control:** Primavera P6, Microsoft Project