

MALEK EBADI

Industrial Engineer Ph.D.

Currently searching for a job

- Operations Research, Operations Management, Decision making under uncertainty
- My academic research primarily concerns healthcare decision making
- If you are interested in my background and skills, please feel free to contact me or visit my personal [website](#).



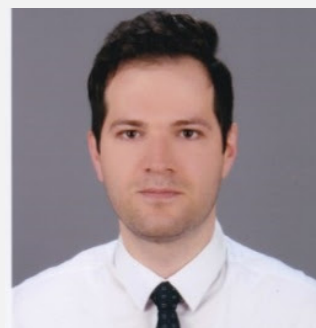
EDUCATION

- 2021 • **Sabanci University**
Ph.D. in Industrial Engineering Istanbul, Turkey
Thesis: Dyadic wavelet and its application in edge detection
- 2014 • **Bilkent University**
M.Sc. in Industrial Engineering Ankara, Turkey
Thesis: A multi-omics study for intra-individual divergence of the distributions between mRNA isoforms in mammals
- 2010 • **University of Tabriz**
B.Sc. in Civil Engineering Tabriz, Iran



PROFESSIONAL EXPERIENCE

- July 18 | Jan 21 • **Research Collaborator, Business Analyst, Part-time**
BEYLER GROUP (Hospital & Health Care). Ankara, Turkey
• Drafting Projects. • Holding seminars, presenting project proposals
- 2018 • **Intern**
BEYLER GROUP. Ankara, Turkey
• Analyzed data. • Conducted case studies to improve process efficiency.
• Wrote research and analysis reports.
- Sep. 14 | Feb. 15 • **Business Analyst, Part-time**
SILA GROUP (Hospital & Health Care). Ankara, Turkey
• Drafting Projects. • Holding seminars, presenting project proposals
- Feb. 14 | July 14 • **Intern**
SILA GROUP. Ankara, Turkey
• Analyzed data. • Conducted case studies to improve process efficiency.
• Wrote research and analysis reports.



CONTACT INFO

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For more information, please visit my personal website under

🌐 ebadi-malek.me

🐙 github.com/mebdix

in linkedin.com/in/malekebadi/

TECHNICAL SKILLS

Modeling and decision making in healthcare, Maintenance, crowdsourcing

Supply chain management, multiplayer decision making and contracting

Operations research, optimization, stochastic modeling, statistical analysis

This resume was made with the R package [pagedown](#).

Last updated on 2021-11-30.

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TEACHING/RESEARCH EXPERIENCE

2015
|
2021



Teaching Assistant.

Teaching assistant of different courses including stochastic processes, discrete event simulation, statistics, quality control at SU

Istanbul, Turkey



SELECTED PUBLICATIONS/TALKS

2021



Personalized Cotesting Policies for Cervical Cancer Screening: A POMDP Approach.

Journal of Mathematics, Special Issue Markov-Chain Modelling and Applications, Mathematics 2021, 9(6), 679;

<https://doi.org/10.3390/math9060679>

Basel, Switzerland

M Ebadi, R Akhavan-Tabatabaei

2021



Analysis Of Overdiagnosis In Cervical Cancer Screening Using An Incidence Based Personalized POMDP Model.

INFORMS, October 24-27, 2021.

Anaheim, CA, USA

M Ebadi, R Akhavan-Tabatabaei

2021



Personalised Medicine - From Vision to Practice

ICPerMed, 25-26 February 2021.

Paris, France

2020



An Approximate Grid-based Solution Method for POMDPs: The case of personalized cervical cancer screening policies

Institute of Applied Physical Sciences and Engineering, Duke Kunshan University, China, November 13, 2020

Jiangsu, China

M Ebadi, Esma Gel, R Akhavan-Tabatabaei

2019



A Constrained POMDP Model for Optimized Allocation of Cervical Cancer Screening Resources

8th Annual Koc University Healthcare Operations Workshop, June 28th, 2019

Ist, Turkey

M Ebadi, R Akhavan-Tabatabaei

2018



Optimal Cervical Cancer Screening Under Societal Perspective

EURO, July 2018

Valencia, Spain

M Ebadi, Hans Frenk, R Akhavan-Tabatabaei

2017



Optimizing Cervical Cancer Screening Using A POMDP Model

INFORMS, June 29, 2017

Amsterdam, Netherlands

M Ebadi, Hans Frenk, R Akhavan-Tabatabaei



GRANT AND AWARDS

2015



Full scholarship for Ph.D. studies

Sabanci University

SU, Turkey

2014



DAAD scholarship

Summer School

Berlin, Germany

2011



Full scholarship for M.Sc. studies

Bilkent University

Ankara

</> PROGRAMMING AND SCRIPTING

- **Matlab, R, Latex**
Skill level: experienced

TRAINING AND COURSES

- | | | |
|------|---|----------|
| 2021 | ● Data scientist professional certificate with R (ongoing)
Datacamp | Datacamp |
| 2021 | ● Reinforcement Learning (ongoing)
Coursera | Coursera |

LANGUAGE

- **English**
Fluent (C1, TOEFL 110)
- **German**
Fluent (C1, GOETHE Zertifikat B2)
- **Turkish**
Fluent (C1)
- **Persian**
Fluent (C1)
- **French**
Basic (A2)
- **Azerbaijani**
Native

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[in](#)  