

# MALEK EBADI

Industrial Engineer Ph.D.

Currently searching for a job

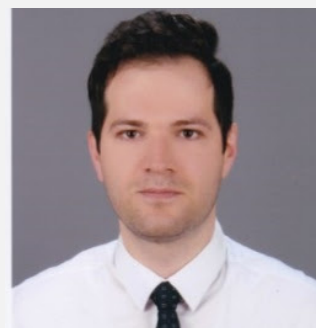
- Operations Research, Operations Management, Decision making under uncertainty
- My academic research primarily concerns healthcare decision making
- If you are interested in my background and skills, please feel free to contact me or visit my personal [website](#).

## 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

✉ [ebadimalek@yahoo.com](mailto:ebadimalek@yahoo.com)

☎ +90 539-716-0726

For more information, please visit my personal website under

🌐 [ebadi-malek.me](http://ebadi-malek.me)

🐙 [github.com/mebdix](https://github.com/mebdix)

in [linkedin.com/in/malekebadi/](https://www.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

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*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 | ● <b>Data scientist professional certificate with R (ongoing)</b><br><a href="#">Datacamp</a> | Datacamp |
| 2021 | ● <b>Reinforcement Learning (ongoing)</b><br><a href="#">Coursera</a>                         | 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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[Malek Ebadi](#)

[ebadimalek@yahoo.com](mailto:ebadimalek@yahoo.com)

[in](#)  