EBRU KASIKARALAR

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EMPLOYMENT

Amazon.com, Inc. Seattle, WA
Research Scientist II *May 2025 - Present*
Amazon Customer Service Worldwide Capacity Planning
Best Innovator & Change Agent Award in 2025 Q3

EDUCATION

The University of Chicago Booth School of Business Chicago, IL
MBA & Ph.D. in Operations Management *2019 - 2025*
Minor in Economics
Committee: Baris Ata (chair), X.Y. Han, Amy Ward, Yuan Zhong

University of California, Berkeley Berkeley, CA
B.S. in Industrial Engineering and Operations Research (Honors) *2015 - 2019*
Certificate in Technology Entrepreneurship

RESEARCH INTERESTS

Applied probability and simulation, computational methods for solving high-dimensional stochastic control problems, queueing theory, neural networks

PUBLICATIONS AND PAPERS UNDER REVIEW

- **Dynamic Scheduling of a Multiclass Queue in the Halfin-Whitt Regime: A Computational Approach for High-Dimensional Problems.**
  Baris Ata, Ebru Kasikaralar
  Accepted at *Management Science*

- **Exploring Cost and Environmental Implications of Optimal Technology Management Strategies in the Street Lighting Industry.**
  Rachel Dzombak, Ebru Kasikaralar, and Heather E. Dillon
  Resources, Conservation & Recycling: X 6 (2020): 100022.

WORKING PAPERS

- **Dynamic scheduling of a parallel-server system in the Halfin-Whitt Regime: A Computational Approach for High-Dimensional Problems.**
  Baris Ata, Ebru Kasikaralar

- **Quality Learning in a Dynamic Mutual Data Exchange Model.**
  John R. Birge, Ebru Kasikaralar

TALKS & PRESENTATIONS

- Dynamic scheduling of a parallel-server system in the Halfin-Whitt Regime: A Computational Approach for High-Dimensional Problems

  - 2025 Amazon OptimiST Learning Session, Seattle, WA.
  - 2025 INFORMS Annual Meeting, Atlanta, GA.

- Dynamic Scheduling of a Multiclass Queue in the Halfin-Whitt Regime: A Computational Approach for High-Dimensional Problems
  - 2023 INFORMS Annual Meeting, Phoenix, AZ.
  - ChicagoBooth Operations Day 2023, Chicago, IL.
  - Stanford MS&E Rising Stars 2024, Stanford, CA.
  - Stochastic Networks 2024, Stockholm, Sweden.
  - 2024 INFORMS Annual Meeting, Seattle, WA.
  - 2025 Amazon OptimiST Learning Session, Seattle, WA.
  - 2025 INFORMS Annual Meeting, Atlanta, GA.

- Quality Learning in a Dynamic Mutual Data Exchange Model
  - 2021 INFORMS Annual Meeting, Indianapolis, IN.
  - 2022 INFORMS Annual Meeting, Anaheim, CA.

TEACHING EXPERIENCE

The University of Chicago Booth School of Business, Teaching Assistant

Operations Management (Executive MBA) *Winter 2022, 2023, 2024, 2025*
London, Singapore, Hong Kong, Chicago

Managerial Decision Modeling (Executive MBA) *Summer 2021*
Chicago

Managerial Decision Modeling (Undergraduate) *Spring 2021, 2022*

HONORS AND AWARDS

- Outstanding Teaching Assistant Award, Booth School of Business *2025*
  Best TA nominated by Executive MBA cohort in Chicago
- J. Michael Harrison Doctoral Prize, Booth School of Business *2024*
  Doctoral student enrolled at Chicago Booth whose research is judged to make the most impactful contribution to theory
- Outstanding Teaching Assistant Award, Booth School of Business *2023*
  Best TA nominated by Executive MBA cohort in London
- Outstanding Teaching Assistant Award, Booth School of Business *2023*
  Best TA nominated by Executive MBA cohort in Singapore
- Ph.D. Fellowship, Booth School of Business *2019-2024*
- Katherine Dusak Miller PhD Fellowship *2024-2025*
- Honors in Industrial Engineering and Operations Research, UC Berkeley *2019*
- URAP Summer Research Fellowship, Haas School of Business *2018*

PROFESSIONAL EXPERIENCE

- **United States Postal Service** Oakland, CA
  Operations Research Consultant *2019*
  Optimized the package sorting process at the Oakland USPS regional distribution center by implementing a matching model with a mixed integer linear program, significantly reducing the steps required by the workforce.

ADDITIONAL INFORMATION

- **Programming skills:** `Python (Tensorflow, Pytorch)`, `C++`, `Julia`, `MATLAB`, `R`, `AMPL`.
- **Languages:** Turkish (native), English (fluent), German (intermediate), Spanish (beginner), Italian (beginner).
- **Nationality:** Turkish, U.S. Permanent Resident.