

UMIT CELIK

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EDUCATION

- 2019- 2024 **UNC Chapel Hill Kenan-Flagler Business School**, Chapel Hill, North Carolina, USA
Ph.D. Candidate in Operations Management
Advisor: Bradley Staats
- 2012- 2016 **Turkish Naval Academy**, Istanbul, TURKEY
Bachelor of Science, Summa cum laude, 3.95/4.00
Industrial Engineering
School of Management and Leadership
- 2008- 2012 **Heybeliada Turkish Naval High School**, Istanbul, TURKEY

RESEARCH

Does the Physician Choice of When to Perform EHR Tasks Influence Total EHR Workload?

Umit Celik, Sandeep Rath, Saravanan Kesavan, Bradley Staats

UNC Kenan-Flagler Business School

<https://pubsonline.informs.org/doi/abs/10.1287/msom.2023.0028>

Accepted, M&SOM

Reducing Appointment Delays: The Impact of Standardized Electronic Health Record Usage on Physician Timeliness - A Causal Inference and Machine Learning Approach

Umit Celik, Sandeep Rath, Bradley Staats, Saravanan Kesavan

UNC Kenan-Flagler Business School

Work in Progress

Predictive Modeling of Relapse Rates and Simulation for Improved Early Intervention in Opioid Treatment Centers

Umit Celik, Bradley Staats

UNC Kenan-Flagler Business School

Work in Progress

Strategies for Streamlining Spare Parts Logistics Operations (Arcelik A.S. – Koc University)

Minimization of damaged spare parts return (Arcelik A.S. - Koc University)

Optimizing the rescue features of coastguard boats to decrease refugee deaths in the Aegean Sea (Undergraduate Research Paper)

TEACHING

Instructor

BUSI 403: Operations Management, Undergraduate, UNC (Summer 2022)

Teaching Assistant

MBA899: The Democratization of Generative AI, MBA Program, UNC (2023)

Business Statistics, MBA Program, UNC (Summer 2023)

EMBA 703: Operations Management, Executive MBA Program, UNC (2021-2023)

BUSI 403: Operations Management, Undergraduate, UNC (2021-2022)

MBA 715: Data Analytics and Decision Making, MBA Program, UNC (2024)

NON-TECHNICAL SUMMARY OF STUDENT DISSERTATION

Title: Streamlining Healthcare Workloads with Operations Management and Machine Learning

I am Umit Celik, a Ph.D. candidate in Operations Management at UNC-Chapel Hill Kenan-Flagler Business School, focusing on service and healthcare operations. My research uses empirical methods and machine learning to improve the efficiency of clinics, hospitals, and treatment centers. I have presented my work at INFORMS, MSOM, POMS, and DSI.

WORK EXPERIENCE

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|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2019- Present | <u>UNC Chapel Hill Kenan-Flagler Business School</u> , Chapel Hill, North Carolina, USA
Ph.D. Candidate in Operations, Supply Chain and Data Analytics <ul style="list-style-type: none">• Research in Healthcare Operations• Teaching core Operations Management – Undergraduate Program• EMBA and MBA Program Teaching Assistant (Operations, Statistics, and AI)• Big Data Project: Forecasting the Indicators of Economic Health of North Carolina |
| 2018- 2019 | <u>FedEx (Contractor)</u> , United Eagles Postal Service, Connecticut, USA
Operations & Business Development Manager, R&D <ul style="list-style-type: none">• Business Development & Transportation• Data Analytics and Visualization |
| 2016- 2018 | <u>Koc Holding-Arcelik</u> , Istanbul, TURKEY
Industrial Engineer, Customer Care Directorate <ul style="list-style-type: none">• Supply chain management and warehousing of spare parts.• After Sales Logistics• Human Behavior in After Sales Operations |
| 2012- 2016 | <u>Turkish Naval Forces</u> , Istanbul, TURKEY
Midshipman - Industrial Engineering Intern, Turkish Navy <ul style="list-style-type: none">• Representing the Turkish Navy as a cadet in France, Spain, Romania, Italy, France, Monaco, and Malta at externship and exchange student programs. |