

UMIT CELIK

Address: Chapel Hill, North Carolina, USA

E-mail: umit_celik@kenan-flagler.unc.edu

Phone: +12036771882

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 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://papers.ssrn.com/sol3/papers.cfm?abstract_id=4323956

Accepted, M&SOM

Operational Strategies in Behavioral Healthcare Services

Umit Celik, Bradley Staats

UNC Kenan-Flagler Business School

Work in Progress

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

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 PhD candidate in Operations Management at UNC Chapel Hill Kenan-Flagler Business School with a focus 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. I teach Operations Management and serve as a TA for MBA courses (Operations Management, Business Statistics, Generative AI, Data Analytics and Decision Making).

WORK EXPERIENCE

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| 2019- Present | <u>UNC Chapel Hill Kenan-Flagler Business School, Chapel Hill, North Carolina, USA</u>
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) |
| 2018- 2019 | <u>FedEx (Contractor), United Eagles Postal Service, Connecticut, USA</u>
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, Istanbul, TURKEY</u>
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• Inventory Management |
| 2012- 2016 | <u>Turkish Naval Forces, Istanbul, TURKEY</u>
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 projects and exchange student programs. |