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Yunus Serhat Bıçakçı, Ph.D.

Data Science Researcher

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I am an Assistant Professor at the [Vocational School of Social Sciences, Marmara University](#). After January 2023, however, I will research criminology, big data, machine learning, natural language processing (NLP), and spatial-temporal predictions as a Postdoctoral Researcher at the [Jill Dando Institute of Security and Crime Science, University College London](#).

Most of my interests are in data science, big data, artificial intelligence (AI), information systems (e.g., GIS), criminology, geospatial, and football. My overall research goal is to be able to solve challenging real-world problems by using machine learning, deep learning, data science, and other types of analytics and visualisation tools such as Python, R, and SQL.

EDUCATION

PostDoc at the Jill Dando Institute of Security and Crime Science, University College London (UCL)	(expected) 01 2024
PhD in Applied Informatics (Geographical Information Technologies Program), Istanbul Technical University	07 2021
MSc in Information Systems (Management Information Systems Program), Sakarya University	07 2013
BA in Business Administration, Anadolu University	07 2011

SHORT-TERM STUDY / CERTIFICATIONS

TensorFlow Developer Certificate – Issued by: TensorFlow Certificate	2022 – 2025
Google Machine Learning Bootcamp Turkey – Study time: 4 months – Google Developers Certificate1 Certificate2	2022 – 2022
Data Science and Machine Learning Bootcamp – Study time: 4.5 months – miuul.com Certificate	2022 – 2022
Academic English – Study time: 7 months – The Language Gallery, London UK	2013 – 2014

SKILLS

Programming Languages	Python, R, SQL
Soft Skills	Leadership, Supporting, Communication, Problem-Solving, Time Management, Creativity
Tools and Other	GIS, AI/ML Frameworks, Google Cloud, Docker, Kubernetes, Git, Project Management

EXPERIENCE

Assistant Professor / Vocational School of Social Sciences, Marmara University – Istanbul, Turkey	2022 — Present
<ul style="list-style-type: none">• Create lesson plans that cover the foundations of technology, guide students through activities that allow them to apply technological solutions to prepare work-life, hold office hours for students to answer questions and provide support.• Teaching – – ILT2005: Media Literacy, BSP1005: Information and Communication Technology, ILT2006: Management Information Systems, BYS2034: Time Management, BSP2007–BSP1060: Office Programs	
Research Assistant / Vocational School of Social Sciences, Marmara University – Istanbul, Turkey	2013 — 2022
<ul style="list-style-type: none">• Responsible for research related to my research interests, also leading group lessons, grading coursework, setting up student projects and aiding in the supervision of the students.	
Clerk / Cyber Crime Bureau, Ministry of Justice – Bursa, Turkey	2011 — 2013
<ul style="list-style-type: none">• Under the supervision of the Prosecutor, performed general clerical functions in support of the Bursa Provincial Prosecutor Office.	

PUBLICATIONS

Artificial Intelligence Applications in Tourism and Travel Offices (<i>in progress</i>) Yunus Serhat Bıçakçı, Bora Aksu <i>Digital Transformation Dynamics in Tourism</i> , Beta Publishing.	2022
Location-Based Analyses for Electronic Monitoring of Parolees , Yunus Serhat Bıçakçı, Dursun Zafer Seker, Hande Demirel. <i>ISPRS International Journal of Geo-Information</i> , 9(5), 296.	2020
The Relationship between Sport-Oriented Attitude and The Satisfaction with Life: The Study of Marmara University Vocational School of Social Sciences Students , Çağdaş Caz, Yunus Serhat Bıçakçı, Fatma Firuzan Nakipoğlu. <i>Gümüşhane Üniversitesi Sosyal Bilimler Enstitüsü Elektronik Dergisi</i> , 10(3), 484–491.	2019
Spatio-temporal analyses to estimate speed information for transport forecasting and scenario testing , Yunus Serhat Bıçakçı, Beytullah Sarica, Mete Ercan Pakdil, Batuhan Yazırlı, Hande Demirel. <i>Fresenius Environmental Bulletin</i> , 26(1).	2017

OTHER SKILLS

Sports

- Football – **C Licence**–Coaching [Manager of University Team] | **The FA Level 1–Talent Identification**
- Football – **The FA Level 7–Referee** [100+ Official Referee]
- Taekwon-do – 2nd Dan Black Belt

University Service

- Editorial Board (The Social Research Journal of Marmara University)
- Journal Referee (International Humanities and Social Science Review)
- Administration (Member of Board of Department, Academic Process Manager of Department)