# Yunus Serhat Bıçakçı, Ph.D.

## Data Science Researcher

Istanbul, Turkey
yunusserhat@gmail.com

Website: yunusserhat.com
github.com/yunusserhat
linkedin.com/in/yunusserhat

I am an Assistant Professor at the Department of Bureau Management and Executive Assistantship at Marmara University. After January 2023, however, I will research criminology, big data, machine learning, natural language processing (NLP), and spatial-temporal prediction as a Postdoctoral Researcher at the Department of Security and Crime Science at the University College London.

Most of my interests are in data science, big data, AI, information systems, and geospatial. My overall research goal is to be able to solve challenging real-world problems by using machine learning, data science, and other types of analytics and visualization tools such as Python, R, and SQL.

## EDUCATION

| | |
|---|---|
| **Ph.D. in Applied Informatics (Geographical Information Technologies Program)**, *Istanbul Technical University* | 07 2021 |
| **M.Sc. in Information Systems (Management Information Systems Program)**, *Sakarya University* | 07 2013 |
| **B.A. in Business Administration**, *Anadolu University* | 07 2011 |

## SHORT-TERM STUDY / CERTIFICATIONS

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|---|---|
| **Google Machine Learning Bootcamp Turkey** – Study time: 4 months – Google Developers | Present |
| **Data Science and Machine Learning Bootcamp** – Study time: 4.5 months – miuul.com | 2022 |
| **Academic English** – Study time: 7 months – The Language Gallery, London UK | 2014 |

## SKILLS

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

## EXPERIENCE

**Assistant Professor / Vocational School of Social Sciences, Marmara University – Istanbul, Turkey**　　　**2022 — Present**
- 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**
- 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**
- 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** *(in progress)* Yunus Serhat Bıçakçı, Bora Aksu *Digital Transformation Dynamics in Tourism*, Beta Publishing.　　2022

**Location-Based Analyses for Electronic Monitoring of Parolees**, Yunus Serhat Bıçakçı, Dursun Zafer Seker, Hande Demirel. *ISPRS International Journal of Geo-Information, 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**, Cağdaş Caz, Yunus Serhat Bıçakçı, Fatma Firuzan Nakipoglu. *Gümüşhane Üniversitesi Sosyal Bilimler Enstitüsü Elektronik Dergisi, 10(3), 484–491*.　　2019

**Spatio-temporal analyses to estimate speed information for transport forecasting and scenario testing**, Yunus Serhat Bıçakçı, Beytullah Sarıca, Mete Ercan Pakdil, Batuhan Yazırlı, Hande Demirel. *Fresenius Environmental Bulletin, 26(1)*.　　2017

## OTHER SKILLS

**Sports**
- Football – **C Licence**–Coaching [Manager of University Team]
- 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)