Yunus Serhat Bıçakçı

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Marmara Üniversitesi Mehmet Genç Külliyesi 2. Blok 2004, 34865, Istanbul, Turkey
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Research interests

Big Data, Data Science, Geographic Information Systems, Football, Criminology

Positions

2021 – Present   **Lecturer**
Vocational School of Social Sciences, Marmara University – Istanbul, Turkey
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.

2013 – 2021   **Research Assistant**
Vocational School of Social Sciences, Marmara University – Istanbul, Turkey
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.

2011 – 2013   **Clerk**
Cyber Crime Bureau, Ministry of Justice – Bursa, Turkey
Under the supervision of the Prosecutor, performed general clerical functions in support of the Bursa Provincial Prosecutor Office.

Education

2014 – 2021   **Istanbul Technical University** – Istanbul, Turkey
PhD in Applied Informatics
Geographical Information Technologies Program
Mentor: Prof Dr Dursun Zafer Şeker

2011 – 2013   **Sakarya University** – Sakarya, Turkey
MSc in Informations Systems
Management Information Systems Program
Mentor: Prof Dr Orhan Torkul

2007 – 2011   **Anadolu University** – Eskişehir, Turkey
BA in Business Administration
Business Administration Program

Short-Term Study

2022 – Present   **Google Developers Machine Learning Bootcamp** – Online
Study time: 4 months
Course Instructor: Andrew NG

2022 – 2022   **Data Science and Machine Learning Bootcamp** – Online
Study time: 4.5 months
Course Instructor: Vahit Keskin
Certificate of Achievement

2013 – 2014   **The Language Gallery** – London, UK
Study time: 7 months
Academic English – IELTS Preparation

Book Chapter

2022   **Data Science in Football** *(in progress)*
Yunus Serhat Bıçakçı
Current Debates in Sport Sciences.

2022   **Artificial Intelligence Applications in Tourism** *(in progress)*
Yunus Serhat Bıçakçı, Bora Aksu
Digital Transformation Dynamics in Tourism.

Publications

2020   **Location-Based Analyses for Electronic Monitoring of Parolees** *(link)*
Yunus Serhat Bıçakçı, Dursun Zafer Seker, Hande Demirel.
ISPRS International Journal of Geo-Information, 9(5), 296.

2019 **Spora Yönelik Tutum İle Yaşam Doyumu Arasındaki İlişki: Marmara Üniversitesi Sosyal Bilimler Meslek Yüksekokulu Öğrencileri Örneği /in Turkish** *(link)*
Cağdaş Caz, Yunus Serhat Bıçakçı, Fatma Firuzan Nakipoglu.
Gümüşhane Üniversitesi Sosyal Bilimler Enstitüsü Elektronik Dergisi, 10(3), 484–491.

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

Presentations

2017 **Büro Yönetimi ve Yönetici Asistanlığı Öğrencilerinin Beklentilerinin Belirlenmesi /in Turkish**
Yunus Serhat Bıçakçı, Fatma Firuzan Nakipoğlu.
VI. Uluslararası Meslek Yüksekokulları Sempozyumu.

2015 **Elektronik İzleme Teknolojisi ve Türkiye'de Uygulanması /in Turkish**
Yunus Serhat Bıçakçı, Dursun Zafer Şeker.
Türkiye'de Denetimli Serbestlik 10. Yıl Uluslararası Yaklaşımlar Sempozyumu.

Teaching experience

Fall 2018 to 2021
Teaching, BSP2007: Office Programs (Marmara University)
Teaching, ILT2005: Media Literacy (Marmara University)

Spring 2018 to 2022
Teaching, BSP1005: Information and Communication Technology (Marmara University)
Teaching, ILT2006: Management Information Systems (Marmara University)
Teaching, BSP1060: Office Programs (Marmara University)
Teaching, BYS2034: Time Management (Marmara University)

Doctoral Dissertation

2021   "Spatio-Temporal Analysis of Applied Electronic Monitoring on Parolees of Mobility: A Case Study in Istanbul" Department of Applied Informatics, Istanbul Technical University *(link)*

University Service

2022 – Present   **Editorial Board**
The Social Research Journal of Marmara University

2021 – 2022   **Journal Referee**
International Humanities and Social Science Review

2013 – Present   **Marmara University Vocational School of Social Sciences**
Member of Board, Department of Secretary and Office Management
Academic Process Manager, Department of Secretary and Office Management
Web Coordinator, Vocational School of Social Sciences
Manager, Vocational School of Social Sciences Football Team (2014 – 2018)

External Service

2013 – 2018   **Referee**
Turkish Football Federation (Istanbul, Turkey) (2015-2018)
London FA – The FA (London, UK) (2013-2014)

Technical skills

Operating System: Linux (e.g. Ubuntu), MacOS, Windows, Windows Server
Programming Languages: R, Python
Big Data – Machine Learning Libraries & Frameworks: Python (eg. Numpy, Pandas, GeoPandas, Matplotlib, Seaborn, Scipy, PyTorch, Keras, TensorFlow, Scikit-Learn, geospatial), R (eg. Caret, dplyr, ggplot2, Tidyverse, mlr, sf, sp)
Data Science – Miscellaneous Technologies & Libraries & Frameworks: Geo-Visualisation, NLP, Spatial-Temporal, RFM, CLTV, Time Series, Git, AWS, Docker, Kubernetes, Apache Spark, SQL, MsSQL, PostgreSQL, SQLite, MySQL, Shiny, QGis, PostGIS, ArcGIS, Requests, Scrapy, Office Programs, LaTeX

Other skills

Sports

Football (UEFA C Licence–Coaching, The FA Level 7–Referee)

Taekwon-do (2nd Dan Black Belt–Coaching)

Kick-Box (1st Dan Black Belt)

Languages

Turkish (native), English (advanced)