



Duhan Onat Karadayi

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Statistician with strong analytical and leadership skills. Developer experienced in data science and object oriented programming. Linux user with passion for tech. Volunteer and organizer with extensive communication abilities.

EDUCATION

Middle East Technical University

Bachelor of Science in Statistics

2026

Ankara

- **Teaching Assistant** - Teaching R programming and statistical techniques in Data Analysis for Archaeometry.
- METU AI Community - **Founding** and **Board Member**, METU Lodos Community - Board Member
- Nesin Matematik Köyü - Volunteer and Student

WORK EXPERIENCE

T.C. Cumhurbaşkanlığı İnsan Kaynakları Ofisi

Data Science Intern

Oct. 2024 – Jan. 2025

Ankara

As a data science intern, I created different perspectives to understand and comment about a variety of datasets.

- Used statistical approaches like **Regression**, **Manova**, **Clustering** etc.
- Applied modeling and visualization techniques on various datasets using R, Python and Excel.
- For better and easier analyses, I created scripts for Excel and R. These are used by different departments.
- Utilized **Excel** and **SQL** for database manipulations.

TÜBİTAK

Strategic Planning and Management Intern

June 2023 – June 2023

Ankara

Made statistical analyses about different TÜBİTAK projects using **Regression** and **Non-Parametric Tests**.

- Designed and developed a work planning software with **object oriented programming** techniques using **Java**.

SKILLS

Python (Numpy, Pandas) | R | Java | BASH Scripting | Git | SQL | Tableau | Linux | Markup Langs. | Statistical Analysis

PROJECTS

Telco Customer Churn Analysis - Applied PCA, PCR, Factor Analysis and Rotation, Clustering, Classification and Canonical Correlation Analysis to customer churn data to get different aspects of the data.

Analysis of the Relationship Between Chemical Parameters and Wine Quality - Derived various insights about wine quality and parameters using statistical methods like Mann-Whitney U Test, Wilcoxon Rank-Sum Test, Linear Regression Models and Kruskal-Wallis Test.

Airbnb Explorer - Created a R Shiny app for tourists, employing statistical methods like Multiple Linear Regression and Logistic regression to compare Airbnb flats. Implemented interactive Leaflet map system for enhanced user engagement.

Real Estate Market Analysis: Mecidiyeköy, İstanbul - Scrapped real estate data from sahibinden.com and analyzed using multiple linear regression and logistic regression to determine how various factors like size, room count, and building age influence apartment prices.

SPORTS

- **Football** - Yeni Karamanspor 1st in Elite Football League, ODTÜ 15.Dorm Team 2nd in ODTÜ Football Tournament
- **Water Polo** - TOFAS Water Polo Team, 1st place in Regional League