

# Duhan Onat Karadayı

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Statistician and software developer with 1+ year experience building production data pipelines, models, and analytics tools. Python/R/SQL, Linux, OOP; end-to-end delivery from data to UI.

## EDUCATION

### Middle East Technical University

2021 – 2026

*Bachelor of Science in Statistics*

Ankara

- **Teaching Assistant** for Master's Data Analysis for Archaeometry: taught R programming and statistical analysis
- METU AI Community - **Founding** and **Board** Member, METU Lodos Community - **Board** Member
- Nesin Mathematics Village - Volunteer and Student

## WORK EXPERIENCE

### The Globby

April 2025 – April 2026

*Software Developer and Data Scientist*

Remote

Developing data-driven features for a mobile trading application by applying advanced statistical techniques, machine learning algorithms and programming techniques.

- Designed scoring and ranking models to identify high-potential export/import opportunities for business users.
- Built automated **ETL pipelines** and algorithm to collect, clean, and analyze international trade data across product and country codes using **Python, R, and SQL**.
- Applied machine learning and statistical methods (**regression, clustering, PCA**) to support data-driven business decisions.
- Optimized and integrated algorithms into backend **Linux** servers with **React, SQL and Python**, frontend with **JavaScript** to enhance system performance and scalability.

### T.C. Cumhurbaşkanlığı İnsan Kaynakları Ofisi

Oct. 2024 – Jan. 2025

*Data Science Intern*

Ankara

- Analyzed datasets from 10+ national career fairs and institutional surveys to evaluate participation trends and satisfaction levels using approaches like **Regression, MANOVA, Clustering**.
- Processed and analyzed large-scale administrative datasets using Python, R, and Excel for various departments.
- Utilized **Excel** and **SQL** for database manipulations.

### TÜBİTAK

June 2023 – June 2023

*Strategic Planning and Management Intern*

Ankara

- Designed and developed a **Java-based** work planning software with **object oriented programming** techniques to support project planning and workflow management.
- Made statistical analyses about different TÜBİTAK projects using **Regression** and **Non-Parametric Tests**.

## SKILLS

Python | R | Java | BASH | Git | SQL | JavaScript | Linux | React | Statistical Analysis | ETL

## PROJECTS

**Airbnb Explorer** Developed R Shiny app with regression models, interactive maps and graphs to compare rental properties across Europe.

**Telco Customer Churn Analysis** Built predictive models using PCA, clustering, and logistic regression to analyze customer churn patterns.

**Automated Pipeline System** Built an automated ETL pipeline processing Comtrade data. Data cleaning, feature eng., and dual scoring using weighted ranking and PCA. Deployed scalable real-time analysis via FastAPI and Supabase, reducing manual work from hours to minutes.