

# Ugur Caliskan

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I am an MSc Statistics graduate from Lancaster University with a solid academic foundation in statistical analysis, machine learning, and data-driven methodologies. I possess expertise in data analysis, statistical modelling, and machine learning, combined with hands-on experience across diverse industries. Proficient in Python, MATLAB, and R, along with database management skills in PostgreSQL and MySQL. Additionally, I am skilled in using analytics tools such as Excel VBA and Power BI to generate actionable insights.

## Education:

**Lancaster University** (2023-2024)

MSc Statistics

Distinction

**Koç University**

(2019-2023)

BSc Industrial Engineering

3.3/4 GPA (Data Analytics Specialization Program)

## Relevant Courses:

Bayesian Data Analysis, Project Management, Machine Learning, AI, Stochastic Models, Modelling & Simulation, Mathematical Programming, Applied Statistics, Game Theory & Strategy, Optimization Methods, Pricing & Revenue Management, Production Planning & Control, and Data Science for Operational Decisions.

## Experience:

**Research Student** at Lancaster University

Jun 2024 – Sep 2024

- Research on density estimation models for animals using photographic capture-recapture and GPS data with Professor Eduard Campillo-Funollet.

**Data Scientist** at Reliable Insights

Feb 2024 – Apr 2024

- Actively contributed to customer projects by leveraging advanced analytics techniques to extract insights from time series data.
- Collaborating with cross-functional teams to deploy and improve customer value cases using TIM InstantML.

**Market Analyst** at Enerjisa

Aug 2022 – Sep 2022

- Assisted with data acquisition about the daily production of power plants in Turkey
- Made forecasts of individual power plant productions in Turkey to assist the power price curve model, and also forecasting the future energy production rates of Turkey
- Worked on researching the correlation between weather forecasts and power production to assist the forecasting models

**Business Analyst** at YILPORT Holding Inc.

Feb 2022 – Jun 2022

- Assisting with consolidating incoming data from 23 ports in 10 different countries,
- Providing support for monthly reports, including equipment performance, cost, and spare parts usage, to-the-point analyses for asset performance,
- Streamlining processes using VBA, compiling KPIs for further analysis with Qlik Sense, and providing support for the ongoing collection of available equipment data

**Section Leader** at Koç University

Feb 2022 – Jun 2022

- Instructed students who are taking the COMP 125 - "Introduction to Python" course at Koç University.
- Educated students in lab sessions to have a better understanding of different concepts, and algorithms in programming and held office hours to tutor students outside lecture hours

**Production Planning** at Decovita Seramik

Jun 2021 – Aug 2021

- Solved spontaneous problems that occur in production, and provided data from the production to other departments,
- Optimized the production line to increase the "first class tile" production ratio,
- Worked on streamlining processes to save time on repetitive tasks

**Python Tutor** at Koç University

Oct 2020 – Jan 2021

- Tutored students taking the "UNIV199 - Intro to Python" course. The UNIV199 course at Koç University teaches students of different majors to gain a solid foundation in algorithmic thinking and structured programming, and perform basic, common computational tasks easily and efficiently.

## Volunteering:

**Bir Baska Yol ITÜ (2020-2021)**

- Tutoring for high school students getting ready for the university exam in Turkey.

**Friends of Lancaster Cemetery (2023-)**

- Assisting in the improvement of the green space and helping with the conservation of the unique cemetery heritage