

Ender Sari

Data Scientist | Industrial Engineer | endersari.com | dsendersari@gmail.com



EDUCATION

- **École polytechnique fédérale de Lausanne (EPFL)** Lausanne, Switzerland
MSc in MTE (Data Science minor); Excellence Fellowship (merit-based, top ~1%) Sep. 2024 – Present
- **Sabancı University** Istanbul, Turkey
MSc in Industrial Engineering; GPA: 3.95/4.00 (Full Scholarship, 1st rank) Sep. 2020 – Sep. 2022
- **Sabancı University** Istanbul, Turkey
BSc in Industrial Engineering; GPA: 3.93/4.00 (Full Scholarship, 1st rank) Sep. 2016 – Jan. 2020

EXPERIENCE

Yandex Search Turkey

Istanbul, Turkey

Data Scientist

Sep. 2024 – Sep. 2025

- **Business Case:** Identified gaps in **user satisfaction** and **search behavior** to drive **product improvements**, enhance **search quality** and the **search engine results page (SERP)**, and increase **user retention** using tools such as **Python**, **SQL**, and **Jupyter**.
- **Contribution:** Performed **search query analysis** and **clustering**, monitored **DAU trends**, and delivered **strategic insights** to enhance **search quality** and **user experience**, leveraging **Pandas**, **Scikit-learn**, and **Matplotlib**.

Afiniti - Research & Development

Istanbul, Turkey

Data Scientist

Sep. 2022 – Sep. 2024

- **Business Case:** Developed and monitored **product recommendation models** to increase **sales revenue** by collaborating with **research scientists** and **data engineers**, using tools such as **Python**, **SQL**, and **Git**.
- **Contribution:** Enhanced **model performance** through rigorous **data analysis** and **feature engineering**. Applied **A/B testing** and **statistical bootstrapping** to refine modeling methods and metrics, resulting in a significant **5% increase in sales revenue**.

Sabancı University

Istanbul, Turkey

Teaching Assistant

Sep. 2016 – Sep. 2022

- **Contribution:** Provided instructional support for undergraduate courses in Decision Analysis, Stochastic Models in Operations Research, Operations Research I–II, Machine Learning (Summer School), and others in quality, planning, production, and simulation..

Brisa Product Supply Planning

Istanbul, Turkey

Data Scientist

Sep. 2020 – Sep. 2022

- **Business Case:** Developed **processes** to determine **finished goods inventory levels** and associated **production decisions** for a **tire manufacturer**.
- **Contribution:** Conducted **data analysis**, **feature engineering**, and **clustering**. Developed a **scoring-based approach** using **machine learning** for **SKU prioritization**. Implemented the new process, resulting in a **20% improvement in inventory efficiency** and reduced **excess inventory**.

Unilever - Chain Reaction Project

Istanbul, Turkey

Data Analytics

Sep. 2018 – Aug. 2020

- **Business Case:** Improved **inventory management** and **forecasting accuracy**.
- **Contribution:** Researched the impact of **human intervention** on **ML-based forecasting models**, optimizing methodologies by combining **human expertise** with **algorithmic insights**.

SKILLS & INTERESTS

- **Languages & Tools:** Python, R, C++, SQL, Git, Docker
- **Frameworks:** Pandas, Numpy, PyTorch, Sklearn, Shap, XGBoost, Plotly, Streamlit, Selenium, Gurobi
- **Interests:** Machine Learning, Statistics, Rowing, Running, Soccer, CrossFit, Calisthenics, Nutrition