

# YIGIT ASIK

GitHub | Medium  
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## SKILLS

### PROGRAMMING

Python • Numpy • Pandas • Sklearn  
Matplotlib • Seaborn • SQL(newbie)

### THEORETICAL

• Machine Learning Algorithms  
Research Methods • Statistics

## ACCOMPLISHMENTS

### TUBITAK | STAR BOURSIER, INTERN RESEARCHER

July 2022 – Current | Istanbul, TR

- Awarded a scholarship under TUBITAK (The Scientific and Technological Research Council of Turkey) 1001 project.

### RESEARCH | LWA IN TURKEY Oct 2022 | Istanbul, TR

- Presentation of the early findings of our research at *National Congress of Psychology*.

## EDUCATION

### MIUUL & VBO

DATA SCIENCE & MACHINE  
LEARNING BOOTCAMP

Feb 2022 - May 2022

- My capstone project about *political orientation prediction* (GitHub) voted the best in my group by instructors, allowed me to present it to every bootcamp participant in the end.
- Built more than 10 projects via usage of different methods which are included under CRM analytics, recommendation systems, machine learning and time series.

### DOGUS UNIVERSITY

BACHELOR OF ARTS

Estimated graduation: 2023

- Awarded Extracurricular Activities Award via my blog posts at Bakma Gor.
- Represented basketball team for 2 years.
- Gave a seminar about Human Biomechanics.

## EXPERIENCE

### MINT LAB | LAB TECH & UNDERGRADUATE RESEARCH ASSISTANT Nov 2019 - Present | Istanbul, TR

- Handled lab's technical needs and issues.
- Significantly improved experiment design by assisting other researches.

### MINT LAB | LAB MANAGER Jan 2019 – Nov 2019 | Istanbul, TR

- Significantly improved efficiency by managing the lab's organizations and activities.
- Started a research project about LWA in non-WEIRD culture (Turkey).

## PROJECTS

### FAKE NEWS PREDICTION | GITHUB

- Built fake news prediction model.
- Used NLTK library for preprocessing.
- Applied sentiment analysis to check any meaningful difference of polarity scores between fake and real news.

### UNSUPERVISED CUSTOMER SEGMENTATION | GITHUB, LINKEDIN

- Applied different transformations (cubic root, square root, log) to normalize, and MinMaxScaling to scale the features to same range.
- Used elbow method to choose for best K.
- Reduced dimensionality via PCA to plot the data in two dimensions.

### STORE-ITEM DEMAND FORECASTING | GITHUB, LINKEDIN

- Built a model for demand forecasting.
- Wrote a custom function (since can't use GridSearchCV with "time-series" data) for Light GBM that searches through given tuning parameters and returns the best combination in respect to whatever cost function one would like to use.

### RENT PREDICTION | GITHUB

- Built a regression model to predict rents of houses.
- Created a feature that takes the interactions between variables into account: maximum apartment floor and flat's floor.

### DIABETES PREDICTION | GITHUB, LINKEDIN

- Dealt with missing values with conditional summary statistics.
- Avoided data leakage by splitting data first and then applying preprocessing processes.

### POWER CONSUMPTION OF PROCESSORS OVER TIME | GITHUB, LINKEDIN

- Categorized each processor producer's CPU's into four categories by using a function that takes the suffixes of CPUs and returns whether it is mobile, workstation, desktop etc.
- Created periods out of date column (since producers report in periods) and used it for plotting.