Kagan Han Catan

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SKILLS & INTERESTS

Python | R | SQL | Scikit-Learn | NeuralProphet | Pandas | Shiny | Streamlit | Fastapi | Flask | Docker | Git | AWS

Skills: Machine Learning | Statistical Analysis | Data Visualisation | Data Storytellings | MLOps | Elasticsearch | Kibana

English, Turkish – All professional proficiency or above

Interests: Latest AI developments, Analyzing sociological data

WORK EXPERIENCE

Peopleoma   **Istanbul, Turkey, Remote**
Jr. Data Scientist   *Jul 2022 - Dec 2023*

- Integrated two crucial KPIs, Overtimes and Absenteeism, into the previously established forecasting model, enriching the understanding of future employee behaviors. Read More About
- Designed and developed a user-centered correlation module leveraging **Python**, **Typescript**, **React**, **Dython**, **PostgreSQL**, and **Fastapi** to assist HR professionals in identifying the factors of employee turnover. Read More About
- Designed and developed a user-friendly data quality module, using **Python**, **TypeScript**, **React**, **PostgreSQL**, and **FastAPI**, providing insights for the correction and improvement of employee data. Read More About

Peopleoma   **Istanbul, Turkey, Remote**
Data Science Intern   *Apr 2022 - Jul 2022*

- Performed in-depth evaluations of 50+ dashboards and charts in the Peopleoma's app, meticulously ensuring strict adherence to statistical rules and data visualization best practices.
- Developed and implemented a robust forecasting model for critical KPIs, including Turnover, Retention Rate, Leaving, and Number of Employees, using **Python**, **NeuralProphet**, **PostgreSQL**, **Fastapi**, **Elasticsearch**, and **Kibana**. The successful implementation of this model yielded actionable insights, significantly enhancing strategic decision-making processes. Read More About

EDUCATION

Anadolu University   **Eskisehir, Turkey**
English Prep School   *Sep 2016 - Jun 2018*

- Demonstrated consistent improvement in English proficiency, progressing from A1 to C1 level, indicating a high aptitude for language acquisition.

Eskisehir Technical University   **Eskisehir, Turkey**
B.S. in Statistics   *Sep 2018 - Jun 2022*

- My thesis project was financially supported by TUBITAK 2209-A University Students Research Projects Support Program under grant number 1919B012101118 and by the Commission of the Scientific Research Projects of Eskisehir Technical University under grant number 22LÖP179.

PROJECTS

Eskisehir Technical University   **Eskisehir, Turkey**
Web App for Statistical Analysis and Auto ML   *Jun 2021 - Jun 2022*

- As part of my thesis project, I created of a Shiny web application that enables users to upload datasets and effortlessly perform statistical analysis and fit machine learning algorithms with just a few clicks. The application is developed using R, Python, Shiny, Reticulate, Scikit-learn, Seaborn, and other relevant technologies.. Link to Project

TUBITAK   **Mersin, Turkey**
The Effects of Games of Chance on Youth   *Jan 2015 - Jan 2016*

- As part of my participation in the TUBITAK Competition, I conducted a research project on the impact of games of chance on the youth, revealing that over 30% of young individuals exhibit signs of addiction to such games. Furthermore, a statistically significant difference between genders was observed, with a higher prevalence among males (SPSS, ANOVA, t-test, sampling methods for survey).
- Achieved recognition for the project as the 2nd project in the competition and exhibited my project in the Mediterranean regional finals.