Ramazan Erduran

Data Scientist

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Summary

Skilled and passionate data scientist with expertise in machine learning and deep learning, possessing a strong foundation in analytics, statistics, and mathematics. Proficient in interacting with clients and experienced in the process of model development. Valuing teamwork and open communication, enabling effective collaboration within a team environment. Dedicated to transforming all types of data into insights during the process of data exploration and analysis, adept at uncovering hidden relationships and paying attention to detail.

Education

Hacettepe University — Ankara, Turkey
B.Sc. in Statistics; ***GPA: 3.12/4.00*** — *Sep 2018 – Jun 2023*

Work Experience

E-Kalite Yazılım — Ankara, Turkey
Data Scientist — *Aug 2022 – Oct 2022*

- The accuracy rate was enhanced, and precision was improved by creating machine learning and deep learning models.
- Project duration was shortened, and the on-time delivery rate increased by optimizing data analysis and processing processes.
- Data processing speed was accelerated by effectively processing large datasets using Spark.
- SQL query durations were reduced, thus speeding up data access, by performing data retrieval and merging operations from databases.
- Success rates in various projects were increased by utilizing advanced statistical models.
- Managers were assisted in data-driven decision-making processes by generating interactive and impactful reports with data visualization tools.
- Effective collaboration with other team members was fostered, and project deliveries were successfully managed by actively tracking projects.

E-Kalite Yazılım — Ankara, Turkey
Data Science Intern — *Jun 2022 – Aug 2022*

- A machine learning model was developed in Python to predict house prices.
- Data cleaning, merging, and querying operations in databases were conducted using SQL.
- Data manipulation and cleansing tasks in data analysis and reporting projects were performed using Python and Pandas.
- Data analysis was supported through presentations by creating interactive and understandable visualizations with data visualization tools.

Achievements

TÜPRAŞ 2023 Generation Datathon 2nd Place: As a member of the TÜPRAŞ Data Analytics team, we are expected to develop a model for forecasting the demand for gasoline products for our subsidiary, TÜPRAŞ Trading Ltd., located in the United Kingdom, within a week. The model to be created will generate critical value in various aspects such as ensuring complete demand fulfillment, commercial profitability, efficient and timely logistics, inventory management, and sustainability.

KPMG Data & Analytics Challange 7th Place: Istanbul has been chosen as the pilot region, where considering the current budget and constraints, you are expected to open coffee shops in various locations. Your responsibilities include conducting customer segmentation, estimating customer count, sales, and revenue to create a projection for the next two years, with the aim of maximizing the company's revenue.

GDZ Elektrik 2023 Datathon 24th Place: In this competition, the hourly distributed energy (MWh) value is treated as a time series, aiming to make future predictions. In line with this goal, any publicly available data that is believed to contribute to the model has been obtained through data scraping and added to the dataset.

Projects

Analyzing Sleep Quality and Health & Predicting Stress Level | *GitHub* | *Web App*

- The main objectives of the project are to analyze and visualize the data related to health, lifestyle, and demographic factors, derive actionable insights from the visualizations, and predict stress levels of individuals using machine learning techniques.

Amazon Reviews Analysis NLP | *GitHub*

- The objective of this project is to perform sentiment analysis on Amazon reviews and predict the corresponding rating given by the reviewers on a scale of 1 to 5.

Time-Series Forecasting with R | *GitHub*

- The aim of this project is to predict the future energy generation from the solar panels installed in the İkitelli district of Istanbul Metropolitan Municipality (IBB). In this project, various methods and models such as additive decomposition, multiplicative decomposition, simple linear regression, Holt-Winters exponential smoothing, and Box-Jenkins models were applied for analysis.

Skills

Programming: Python, R, MySQL, MSSQL, SQLite

Technologies (Comfortable With): Git, PySpark, KNIME, Jupyter Notebook, Tensorflow, Scikit-Learn, Numpy, Pandas, Plotly, VS-Code, Markdown, LaTex, RStudio

Technologies (Experienced With): Playwright, Linux, R-Shiny, Minitab, SPSS

Languages: Turkish (Native), English (Professional working proficiency)

Certificates

All My Certificates are on my *GitHub*