UFUK TANER CEYHANLI

Data Scientist

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PROJECTS (tanerceyhanli.github.io)

Bike Sharing Demand Prediction in San Francisco with Machine Learning

- Built a machine learning model with python for the prediction of number of borrowed bikes in a given day and station.

Insights to Crime in Czech Republic by using Tableau (Dashboard)

Insights to Food Prices in Czech Republic by using Tableau (Dashboard)

- Obtained the data from Czech Statistical Office website.
- Story telling with the interactive graphs, charts and maps.

Data Analysis of House Sales Prices and Venues in Prague with Python

- Scraped the all available listings with their features for Prague on Sreality.com
- Cleaned, manipulated and visualized data for 57 municipal parts of Prague
- Retrieved available venues inside 1 km radius of the municipal parts' center by Google Places Rest API
- Cluster municipal parts based on venues data and searched for a relation with the average price per square meter metric

Forecasting of Gasoline MED-FOB Price Based on Historical Data with Python

- Downloaded the time series data for gasoline price from Platts.
- Implemented Moving Average, Exponential Smoothing, Exponentially Weighted Moving Average and Holt-Winter's method.
- Used machine learning algorithm, ARIMA (Autoregressive Integrated Moving Average) method and forecasted price with minimum error

Statistical comparison of three companies's HPWS level and motivation of employees with R

- High-performance work systems are a group of separate but interconnected human resource practice e.g. selection, training, performance appraisal, and compensation
- Conducted a survey of 150 people in three different companies
- Applied descriptive and inferential statistics on the data
- Searched for a relation between HPWS level and motivation

EXPERINCE

Simulation Engineer & Python Developer / Ford R&D Center, Istanbul, 10.2017-12.2020

- Solve customer complaints by setting up computer simulation models.
- Virtual verification and validation of chassis systems and components.

Main Achievements

- Developed a python script for solid bolt generation for Abaqus.
- Developed a python script for deleting unwanted sets for Ansa.
- Created an API for step setup of Abaqus models.

Data Analyst / Ford R&D Center, Istanbul, 03.2015-10.2017

- Bill of Material management of Ford vehicle programs.
- Process, analyze and report of BOM data of the vehicle programs weekly.
- BOM is a large and live data set including all the parts of the vehicle and its properties (id,cost,count,supplier,etc.) which supports development,finance and manufacturing.

Main Achievements

- Developed a VBA script which checks BOM and list errors.
- Control model finder API.
- Created a tool making queries on a local web page and retrieving info for BOM.

EDUCATION

Bogazici University, M.Sc., Engineering and Technology Management, Istanbul, 2019

- Focuses on data science
- Courses: Data Mining, Business Analytics, Applied Statistics, Economics, etc.
- GPA: 3.69/4

Uludag University, B.Sc., Mechanical Engineering, Bursa, 2013

- GPA: 3.20/4

Instituto Superior de Engenharia de Coimbra, Coimbra, 2012

- Exchange

SKILLS

- Machine Learning
- Data Analysis
- Python, R, SQL
- Tableau
- A/B Testing
- R Studio
- Jupyter Notebook
- Github
- Microsoft Excel

CERTIFICATES

Machine Learning with TensorFlow on Google Cloud Platform
Google, 2020

IBM Data Science Professional
IBM, 2020

SAS Statistical Business Analyst
SAS, 2020

Intermediate Python Cerficate
Intermediate R Cerficate
Datacamp, 2020

IELTS 7/9
British Council, 2019

6 Sigma Green Belt
Ford, 2016

LANGUAGES

Turkish: Native
English: Advanced
German: Beginner (improving)