Olcay Hisar

Scientist / Data Scientist

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EXPERIENCE

Goethe University, Germany —*Scientist*

March 2022 - March 2024

- Plan and develop designs and procedures for eco-toxicological studies
- Carry of eco-toxicity assays to analyze polymers using experimental organism such as *Aliivibrio fischeri*, *Daphnia magna*, *Danio rerio* in fresh water
- Investigate and conduct studies on risk assessment and predictions of polymers by using mathematical modeling

ONEAMZ, Jerseytech, LLC, USA — *Data Scientist (Internship)*

September 2022 - October 2023

- Perform market, product and customer analysis to efficiently achieve objectives and increasing sales
- Predictive modeling for pricing optimization, Buy Box and sales rank prediction, and the analysis of advertising impact on revenue
- Data visualization using Tableau and Power BI
- Provide data-driven insights that directly contribute to business growth
- Investigate and conduct studies on the forecasts, demand, and capital of products

Canakkale 18 Mart University, Turkiye — *Scientist*

June 2011 – September- 2016

- Utilized SPSS statistical software to analyze data
- Optimized data monitoring procedures and generated reports on a weekly, monthly, and quarterly basis
- Used advanced Microsoft Excel functions to create tables and reporting

EDUCATION

Ataturk University, Turkiye — *Ph.D.*

2000-2003 Institute of Science - Aquaculture

Ataturk University, Turkiye — MBA

1997-2000 Institute of Science – Aquaculture

SKILLS

HTML, CSS, SQL

VsCode, MySql

Pyhton (Numpy, Pandas, Seaborn, Matplotlib)

Data Visualization

Tableau, PowerBI

Machine Learning Algoritms

Clustering

Time Series Analysis

EDA (Exploratory Data Analysis)

CNN (Convolutional Neural Networks)

NLP (Natural Language Processing)

Deep Learning

YOLOv8

Computer Vision

Data Modeling, Data Mining

SAS, IBM SPSS

Geodata Management, Vector Analytics, Process Automation

COURSES

April 2024 - October 2024

Geographic Information System, euroTech Study GmbH, Germany

September 2022 - June 2023

Data Science, TechproEducation, USA

October 2022

Python with Algoritm, Udemy

Ataturk University, Turkiye — B.Sc.,

1997-2000 Faculty of Agriculture Engineering- Aquaculture

PROJECTS

Gender Estimation

In this project, gender estimation of *Gammarus fossarum* using deep learning algorithms was implemented.

https://github.com/ohisar/Gammarus_foss.git

CO$_2$ Emission Estimation

It is aimed to estimate the emission amounts of vehicles by using deep learning algorithms on the dataset containing official CO$_2$ emission data of various vehicles with different features.

https://github.com/ohisar/CO2_Emissions.git

Multi-Class Classification

It is aimed to determine the most successful model by applying deep learning algorithms on the 2012 US Army Anthropometric Survey (ANSUR II) dataset.

https://github.com/ohisar/Soldier_Race.git

Customer Segmentation

Customers of a big mall were segmented according to the purchasing history obtained from the membership cards in this project.

https://github.com/ohisar/Customer_Segmentation.git

Modeling Car Prices

In this project, the aim is to estimate the price of cars using regression algorithms on Auto Scout dataset, scraped from the online car trading company in 2019, contains many features of 9 different car models.

https://github.com/ohisar/Modeling_Auto_Scout.git

I am a permanent resident with full authorization to live and work in the United States.