Orkun TARAN, PhD.

Data Scientist

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[LinkedIn](#)   [Twitter](#)   [Kaggle](#)

[Github](#)   [Portfolio](#)   [Google Scholar](#)

SKILLS

PROGRAMMING

- Python
- SQL
- Tableau

DATA SCIENCE / MACHINE LEARNING

- Data mining, acquisition
- Data Visualization (Tableau, seaborn, plotly, matplotlib)
- Pandas, Numpy
- Scikit-Learn
- XGBoost
- Statsmodels, Scipy
- NLP (spaCy, Tensorflow)
- Hyperopt, Optuna
- Probability / Statistics
- Data Manipulation
- Data Cleaning
- Git and Version Control
- Excel

SOFT SKILLS

- Data Driven
- Collaborative
- Fast learner
- Communication / extravert
- Ability to handle pressure and work under tight schedules
- Problem-solving
- Skeptical perspective

EDUCATION

Hacettepe University, Turkey
PhD. in Occupational Therapy (JAN. 2013 - DEC 2018)

MSc. in Occupational Therapy (FEB. 2010 - DEC 2012)

B.Sc. Physical Therapy and Rehabilitation (SEPT. 2004 - JUNE 2009)

ABOUT ME

An Assistant Professor and an aspirant Data Analyst. Learnt and applied statistical analysis on real world data, provide lectures about research and statistics. Passionate about building models that fix problems. Relevant skills include data analysis and visualization, machine learning, problem solving, programming, and creative thinking. Looking for a collaborative, supportive, and educational environment to start my career in Data Analysis, and willing to grow into Data Scientist / Engineer.

DATA ANALYSIS EXPERIENCE

2018-PRESENT

- Visualized Turkey Femicides with Tableau
- Cleaned data, imputed missings of depression, anxiety and stress data; Visualized key insights
- Applied Random Forest model to a supervised classification problem after resampling with SMOTEEN to predict whether a person has Stroke or not with 98% accuracy and high precision/recall scores.
- Explored world happiness rankings between 2015 – 2019, investigated changes over years, and happiest and most unhappy countries. Plotted happiness related features with seaborn, matplotlib and Plotly.
- Applied K-prototypes clustering algorithm to a marketing data, investigated customer behavior and made suggestion according to clusters
- Explored fetal health data , compared features with A/B testing(Kruskall Wallis and applied post hoc analysis with Dunn test), applied XGBoost algorithm and hypertuned with Optuna, resulted 95% accuracy.

WORK EXPERIENCE

Hacettepe University, Turkey

2010 - PRESENT

- Managed and lead research teams, decided roles and research areas and Published above 40 articles above 70 citations
- Organized project budgets with high budgets (ie. 4.3m Euros) with Excel
- Managed communication with stakeholders, NGO's and Governmental Agencies

CERTIFICATES AND TRAININGS

- Statistical Analysis with Python I
- Machine Learning by Andrew NG, Stanford University – in progress
- Data Visualization – GlobalAIHub
- Introduction to Deep Learning – GlobalAIHub
- USDavis- Fundementals of Data Visualization with Tableau
- Udacity Machine Learning with Tensorflow Scholarship