|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | [LinkedIn](https://www.linkedin.com/in/orkun-tahir-aran-6a16aa60/) |  | [Twitter](http://www.twitter.com/orc_arn) | /var/folders/7t/mnn24z314gl1k5lgfl_9j8km0000gn/T/com.microsoft.Word/Content.MSO/6A7D72E1.tmp | [Kaggle](http://www.kaggle.com/orkunaran) |
|  | [Github](http://www.github.com/orkunaran) |  | [Portfolio](https://orkunaran.github.io/) | /var/folders/7t/mnn24z314gl1k5lgfl_9j8km0000gn/T/com.microsoft.Word/Content.MSO/BA6B1897.tmp | [Google Scholar](https://scholar.google.com.tr/citations?user=OCGpuhUAAAAJ&hl=tr) |

### 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](https://public.tableau.com/app/profile/orkun.tahir.aran/viz/FemicidesinTurkey2008-2021/Dashboard1) with Tableau * Cleaned data, imputed missings of [depression, anxiety and stress data](https://www.kaggle.com/orkunaran/predicting-depression-anxiety-and-stress-eda); [Visualized](https://public.tableau.com/app/profile/orkun.tahir.aran/viz/DepressionAnxietyandStressLevels/Dashboard1) key insights * Applied Random Forest model to a supervised classification problem after resampling with SMOTEEN to predict whether a person has [Stroke](https://github.com/orkunaran/Stroke-Prediction) or not with 98% accuracy and high precision/recall scores. * Explored [world happiness](https://github.com/orkunaran/World-Happiness-Report-2015-2019) 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](https://github.com/orkunaran/customer_segmentation), investigated customer behavior and made suggestion according to clusters * Explored [fetal health data](https://www.kaggle.com/orkunaran/fetal-health-eda-and-prediction-95-accuracy) , 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. |
|
|
|

### 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

### WORK EXPERIENCE

### Hacettepe University, Turkey

### 2010 - PRESENT

* Managed and lead research teams, decided roles and research areas and Published above 40 [articles](https://scholar.google.com.tr/citations?user=OCGpuhUAAAAJ&hl=tr) above 70 citations
* Organized project budgets with high budgets (ie. 4.3m Euros) with Excel
* Managed communication with stakeholders, NGO’s and Governmental Agencies

### 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)

### 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
* Initiative | self-driven
* Responsibility

## Orkun T ARAN, PhD.

## Data Scientist

## Email: [orkunaran@gmail.com](mailto:orkunaran@gmail.com) | Phone: + 90 5075178972 |Ankara /Turkey