

# ORKUN T ARAN

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An assistant professor in health sciences with 12 years of research and analysis experience, willing to make a transition into the data analytics business as a Data Analyst / Scientist. Proficient in Python, MySQL, and SPSS to implement statistical analyses, machine learning models, data cleansing and EDA. Seeks to bring 12 years of research experience to a data analyst position in an educative, collaborative, diverse environment.

## PROFESSIONAL EXPERIENCE

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Freelance 2021 – Present

### Data Analyst

- Analyzed scraped data from 15000 amazon items and used outputs to guide marketing and product strategies for FBA start-up
- Scraped local food data for to determine 20 different products and created business insights

Freelance 2015 – Present

### Biostatistician

- Initiated statistical analysis on more than 75 studies/projects on Health Sciences
- Analyzed, visualized and wrote reports of nearly 20 doctorate theses
- Investigated reliability, validity and usability of at least 50 survey and interview data
- Educated 15 doctoral students on statistics in health sciences and social sciences

Hacettepe University, Occupational Therapy 2010 – Present

### Researcher/Lecturer

- Managed and lead research teams, decided roles and research areas and Published above 40 [articles](#) above 100 citations
- Organized and planned international and national project budgets (EU project 4.3m Euro's) with Excel
- Edited web page of the department for 6 years

## SKILLS

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**Skills:** MySQL , Python, Tableau, SPSS, Excel, Pandas, numpy, Scikit-learn , XGBoost, LightGBM, CatBoost, Statsmodels, scipy, plotly, matplotlib, pengouin, Hyperopt, Optuna, Scrapy, Selenium, Beautifulsoup

**Soft Skills:** Data Driven, Collaborative, Communication, Ability to handle pressure and work under tight schedules, Leadership, Skeptical perspective, Initiative and self-driven, Ability to take responsibility

## PROJECTS

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- Visualized [Turkey Femicides](#) between 2008-2021 with Tableau
- Cleaned data, imputed missing of [Taylor depression, anxiety and stress study.](#); [Visualized](#) key insights
- Cleaned and explored [the Coffee Quality](#) data with MySQL
- Visualized [Global Burden of Disease](#) – Youth Mortality with Tableau
- Explored [world happiness](#) rankings between 2015 – 2019, created insights about how happiness can change
- Categorized [market customers](#) and defined behaviors of 2.2k customers
- Explored [fetal health data](#), compared features with hypothesis testing( Kruskal Wallis and applied post hoc analysis with Dunn test), applied XGBoost algorithm, resulted 95% accuracy

## EDUCATION

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