FOTIOS NTINAS

ntinasfotios@gmail.com | +30 6973881293 | Greece

Linkedin | Github

Highly motivated mathematics educator seeking to leverage analytical prowess and problem-solving experience in a data science role. Passionate about continuous learning and responsible AI development.

EDUCATION

MASTER OF DATA SCIENCE AND MACHINE LEARNING   Hellenic Open University, 2024

BACHELOR OF MATHEMATICS   Aristotle University of Thessaloniki, 2021

EXPERIENCE

MATHEMATICS TUTOR

Self Employed | Serres   2016 - PRESENT

Teaching all levels of middle and high school mathematics. Successfully prepared tens of high school students for the Greek National exams through tailored lesson plans and individualized instructions. Periodically offering exam preparation assistance to undergraduate students. *Transferable skills:*

- Problem solving and analytical skills.
- Explain technical and complex concepts clearly to diverse audiences.
- Pursuit optimal outputs within given timeframes.

TECHNICAL SKILLS

- **Languages:** Python (Pandas, Numpy, Tensorflow, Scikit-learn), SQL (SQLite, BigQuery, PostgreSQL), R
- **Data visualization & BI tools:** Power BI (Certified), Excel, Tableau
- **Data analysis techniques:** Statistical analysis, A/B testing, Exploratory Data Analysis, Data Cleaning and Preprocessing, Feature Engineering
- **Machine Learning:** Strong theoretical foundation and hands-on implementation of core ML/DL algorithms through academic projects, including regression, classification, dimensionality reduction, and computer vision applications
- **Other:** Version Control using Git and Github, Azure Cloud Services

PERSONAL PROJECTS

A/B TESTING WITH MULTI-ARMED BANDIT OPTIMIZATION

Implemented and compared classic A/B testing with Thompson Sampling algorithms for CTR optimization. Developed a Flask-based simulation framework to test multiple bandit strategies, demonstrating 15-20% improvement in cumulative rewards compared to traditional methods. Utilized Bayesian methods for statistical analysis and visualization using Python.

BIKE SHARING CUSTOMER SEGMENTATION ANALYSIS

Conducted a comprehensive analysis of 5.7M+ bike rides using SQL, Python, and Power BI to identify key behavioral differences between casual riders and annual members in order to provide data-driven insights and actionable recommendations.

CERTIFICATIONS

Azure Data Scientist Associate, Power BI Data Analyst Associate, Azure AI Fundamentals