

Christos Tzoras

Data Scientist

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I'm a passionate data scientist with a strong background in machine learning, statistical analysis, and data visualization. I love turning raw data into actionable insights, solving complex problems, and building intelligent models that drive decision-making.

EDUCATION

University of Piraeus

MSC in Applied Statistics

Piraeus, Greece

October 2023 – September 2025

- Specialization in Data Science and Biostatistics.

- Relevant Coursework: Data Science using Statistical Packages (IBM SPSS, R), Statistical Machine Learning (R, PYTHON), Statistical Tools in Data Mining (Python, Machine Learning, Clustering, Classification).

University of Piraeus

BSc in Statistic and Insurance Science

Piraeus, Greece

September 2018 – July 2023

- Relevant Statistic Coursework: Statistics I&II, Regression Models, Biostatistics.
- Relevant Programming Coursework: Statistical Programs I&II (IBM SPSS, R, PYTHON), Data Management (SQL).

EXPERIENCE

KPMG Company

3rd year Associate Data Scientist in Analytics & AI Hub

Athens, Greece

March 2026 – Present

PwC Company

Associate Data Scientist in Analytics & AI Hub

Athens, Greece

April 2024 – March 2026

PERSONAL PORTFOLIO – GITHUB

Fake News Detection on Social Media - Thesis.

September 2025

For this analysis, I developed a multi-agent fake news detection system using Flowise to orchestrate GPT 4o-mini agents with access to external web search API's (Google & Serper). The system combined prompt-engineering agents for classification, scoring (bias, emotion, credibility), and source quality evaluation, producing structured, explainable outputs.

Fake News Detection using Machine Learning.

March 2025

Developed a comprehensive fake news detection system combining keyword analysis, sentiment analysis, sensationalism detection, and machine learning classifiers (Logistic Regression, Random Forest). The pipeline incorporated feature engineering, fairness auditing (via Fairlearn), and model evaluation using confusion matrices to ensure transparency and equitable performance.

Statistical Tools in Data Mining.

February 2025

For this analysis, I utilized the Adult Income Dataset from the UCI Machine Learning Repository in order to classify individuals based on their income level as either above or below \$50,000 per year.

We made use of

1) Clustering Analysis Algorithms such as: K-Means, Agglomerative.

2) Classification Analysis Algorithms such as: Logistic Regression, Random Forest, SVM, Gradient Boosting, MLP.

PROFESSIONAL CERTIFICATIONS & SEMINARS

- Azure Data Fundamentals (DP-900) –Microsoft February 2025
- Cloud Practitioner (CLF-CO2) –Amazon. September 2025
- Azure AI Fundamentals (AI-900) –Microsoft. May 2025
- Certificate in IT and computer handling. – University of Piraeus. July 2023
- Certificate Computer Knowledge. – National Organization for the Certifications and Professional Guidance. May 2020

COMPUTING SKILLS

- Proficiency in MS Office Word – Excel – PowerPoint – Power BI, IBM SPSS, R, PYTHON, SQL, Azure, Microsoft Fabric, Docker

LANGUAGE SKILLS

Greek (Native), English (Fluent), Deutsch (Intermediate)

INTERESTS

Boxing, Football Data, Basketball Data