

IOANNIS AVRAMIDIS

DATA SCIENTIST

+30 6994367002 — ioannisavramidis@outlook.com
www.linkedin.com/in/ioannis-avramidis — github.com/ioavramidis

Positive, proactive and hardworking. Transitioned from a distinguished 12-year career in law enforcement and intelligence analysis to data science, with expertise in Python, machine learning and data visualisation. Currently managing large datasets, building, optimising and automating workflows for the European Central Bank, while ensuring data quality and system integrity. My goal is to further advance my career in data science and professionally apply my skills in football.

PROFESSIONAL COMPETENCIES & INDUSTRY TOOLS

Databases: SQL (PostgreSQL, MySQL, Microsoft SQL Server), Oracle, ECB SDW

Programming: Python, SQL, Java, C#, R, VBA, Fame

Machine Learning: Scikit-learn, Keras, Neural Networks, Clustering Algorithms

Tools: Tableau, Git, Camunda, Jira, PowerBI, Excel

FOOTBALL ANALYTICS

Uppsala University, Mathematical Modelling of Football (Master's level) | 5/5 Distinction | Sep – Nov 2025

- Utilised event and tracking data to implement spatial analysis and pitch control models using Python, in accordance with professional football standards
- Generated KPIs from football datasets for performance investigation and evaluation, using statistical methods and machine learning

Certifications:

Introduction to Football Analytics – Provided by Hudl Statsbomb

Talent Identification in Football – Provided by The Football Association

WORK EXPERIENCE

Data Scientist

Dec 2023 – Present

European Central Bank, DG. Statistics

Financial Statistics (Previously: Statistical Applications and Tools)

Frankfurt Am Main, DE

- Developed tools and enhanced ETL pipelines for daily quality checks and analysis workflows, improved operational efficiency and reduced runtimes by 40% to 60%
- Processed and analysed large-scale datasets covering European payment infrastructures, handling transaction flows, payment volumes, values and usage patterns for credit transfers, direct debits, card payments and e-money across EU countries to support ECB policy decisions
- Executed testing protocols and systematic procedures that ensure system performance and data integrity across multiple environments
- Led the technical support for the ECB data environment, prioritised problem resolution via Jira tickets and coordinated the resolution with various stakeholders
- Implemented the migration of 100+ databases during legacy to modern system advancement, automated data quality checks and assessed successful data transfer
- Delivered presentations and dashboards to ECB Management, drafted reports and briefings
- Successfully promoted from Trainee to Data Scientist based on strong technical and analytical performance

Senior Intelligence Analyst

Sep 2020 – Nov 2023

Hellenic Police Intelligence Division

Athens, GR

- Engineered analytical tools, such as web scrapers and keyword search tools, to improve the data governance framework
- Delivered quantitative analysis of granular and unstructured data, with strong focus on time-series pattern analysis
- Designed infographics and dashboards to support security and policy decisions, interacted with domestic and international law enforcement agencies
- Mentored team members on data analysis approaches and tool usage, emphasising in methodologies applicable to regulatory compliance

Police Deputy Sergeant

Jul 2011 – Aug 2020

Hellenic Law Enforcement Agency - Ministry of Public Order and Citizen Protection

Athens, GR

- Delivered security services, performed city-wide surveillance patrols in Athens and ensured high standards of confidentiality in daily operations

EDUCATION

Hellenic Open University, MSc. Data Science and Machine Learning	Oct 2025 – Ongoing
University of Piraeus, BSc. Informatics Software Technology and Intelligence Systems	Sep 2016 – Oct 2022
Final grade: 8.54/10 Summa Cum Laude	
<ul style="list-style-type: none">Thesis: Comparison of Recurrent Neural Networks' efficiency in Aircraft Trajectory Prediction	
Police Officer Diploma	Oct 2010 – Sep 2012

TRAINING PROGRAMS & CERTIFICATIONS

Spark and Python for Big Data with PySpark – Provided by Udemy
Data Analysis Professional – Provided by Workearly
IBM MQ and SQL – Provided by NobleProg

LANGUAGES

Greek (*Native*), English (*Proficient*), Spanish (*Advanced*), German (*Basic*)

SOFT SKILLS

Analytical Thinking, Problem Solving, Innovation, Teamwork, Communication, Time Management, Attention to Detail, Work Ethic, Ability to Work Under Pressure, Adaptability