

Andreas Ppalis

Data Business Analyst 📍 Nicosia, Cyprus



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<https://andreas-ppalis.github.io/ba/>

Adaptable, organized, quick learner and teamwork-oriented Data Analyst with great experience in data management, data processing, reporting and presentations. Adept at collaborating with cross-functional teams and advising on data-driven decision-making. Highly educated, possessing a Bachelor's degree, two Master's degrees and professional certifications. Bilingual in Greek (native) and English (fluent), with an intermediate understanding of Italian.

WORK EXPERIENCE

Data Business Analyst

RetailZoom | Nicosia, Cyprus | Aug 2021 – Present

- Analyze market and retail data to identify trends, estimate market sizes using statistical models, and provide actionable insights that support client strategic planning and performance evaluation.
- Optimize data workflows by automating repetitive tasks with Python and SQL scripts, achieving a reduction in processing time and decreasing manual effort.
- Provide data-driven consulting to clients on maximizing the value of insights derived from complex retail datasets, contributing to increased client satisfaction and business growth.
- Develop Python-based automation scripts for data quality assurance, proactively identifying data anomalies and alerting users to necessary corrective actions, leading to an improvement in data accuracy.
- Lead the creation of client - facing Power BI dashboards by translating business needs into technical specifications, validating data sources and metrics, and collaborating with BI developers to deliver accurate, insight-driven reports.
- Work together with cross functional teams – including developers and data scientists – to design data processing and validation systems and ensure outputs meet business and analytical needs.
- Deliver custom reports and insights using Excel and Python, based on specific client requests, by working closely with Client Service Managers to understand business needs and provide tailored data solutions.
- Supervise junior analysts to ensure consistency to operational processes, maintain high data quality standards, and provide guidance on analytical workflows and problem-solving.

Trader/Analyst

Cleverpath Holdings Ltd | Nicosia, Cyprus | Sep 2020 – Jul 2021

- Monitored in-play events and analyzed customers' behavior and activity.
- Analyzed financial data for retail shops, calculating net profit to identify shop profitability, while visualizing KPIs using Python (Matplotlib and Seaborn) and Excel.
- Provided ad-hoc data analysis upon management requests, exporting data from internal systems to create tables and charts that highlighted trends and supported decision-making.

EDUCATION

MSc in Business Intelligence with Data Analysis

Cyprus International Institute of Management (CIIM) | Nicosia, Cyprus | Feb 2021 – Dec 2022

- Graduated with Grade 84/100
- Leveraged Python for data cleaning, analysis, and machine learning model development, utilizing libraries such as Pandas, NumPy, and scikit-learn; SQL for querying large datasets from relational databases, filtering data and creating tables; and PowerBI for interactive data visualization and reporting, creating dashboards to communicate insights and trends to non-technical stakeholders.
- Thesis: *Predicting Football Results Using Machine Learning* – Built a predictive model for match outcomes using scikit-learn and historical data.

MA in Management and Economics of Energy and the Environment

ENI Corporate University | Milan, Italy | Jul 2019 – Jul 2020

- Graduated with Grade 87/100
- Specialized in Global Energy and Technical Assets (Energy Economics, Strategic Management, Planning & Control, Environmental Assessment, Corporate Finance, System Dynamics in Energy Sector, Field Development Strategy, Applied Econometrics).

Projects:

- Worked with the Research & Technology Innovation department on improving efficiency in well operations through digital transformation.
- Built a model to understand the electricity demand and how CO2 implications of decarbonization strategies can affect the environment (different scenarios with parameters).

BSc in Mathematics

Heriot Watt University | Edinburgh, Scotland | Sep 2015 – May 2019

- Graduated with the Honours of First Class
- Project Dissertation: *Graphs, Matrices and Dynamical Systems* (written in LaTeX)

TECHNICAL (IT) SKILLS

- **Data Analysis:** Python (Pandas, NumPy, scikit-learn), Excel, PowerBI, SQL
- **Programming:** Python
- **Machine Learning:** Regression Analysis, Clustering (K-means), Time Series Forecasting
- **Data Visualization:** PowerBI, Python (Matplotlib, Seaborn), PowerPoint
- **Database Management:** DBeaver
- **Others:** Statistical Modeling, Data Mining, Predictive Analytics, Data Automation

CERTIFICATIONS

- The Complete SQL Bootcamp | Udemy
- Python for Market Research | Online Seminar by ESOMAR
- Microsoft Power BI Data Analyst | Online training sessions by HRDA