



357 - 99250369



ioakeim.h@gmail.com



linkedin.com/in/ioakeim-h



Nicosia, Cyprus

# IOAKEIM HADJIMPALASIS

## PROJECTS

- [DataGlitch](#)
- [Feature Engineering](#)
- [Data Validation](#)
- [Data Science Portfolio](#)

## TECH SKILLS

**Data Cleaning:** Data Accuracy, Missing Values, Outliers, Categorical Data (Cardinality Reduction, Encoding), Feature Scaling and Selection.

**Machine Learning:** Linear Regression, Logistic Regression, Decision Trees, Random Forest, KNN, k-means, PCA, Association Rule Learning, Causal Impact Analysis.

**Automation:** Automating data processing tasks and streamlining repetitive processes, including file management and organization.

**Other:** ETL, Web scraping, Linux CLI, HTML/CSS

## CORE SKILLS

### Problem-solving

A self-taught programmer with a proven track record of effectively extracting valuable insights from cluttered information. Proficient at devising plans for complex issues, staying adaptable, and achieving optimal outcomes through evidence-based decision-making.

### Communication

Regularly collaborates with colleagues and clients, leveraging a diverse background and unique perspective to understand individual needs and motivations. Facilitates effective communication with both technical and non-technical stakeholders.

### Teamwork

Adaptable, open to feedback, and committed to clear, efficient work. Strong creativity and collaboration skills that drive successful project outcomes while valuing and integrating team ideas and perspectives.

## PROFILE

loakeim is a skilled data analytics consultant with extensive experience from top organizations in both the UK and Cyprus. His strong foundation in social sciences, combined with a deep passion for data engineering, drives his commitment to maintaining the highest standards of data quality and coding practices. Proficient in Python and SQL, loakeim excels in creating user-friendly software solutions that meet complex data needs.

## WORK EXPERIENCE

### Data Analytics Consultant - KPMG (CY)

Feb 2022 - Present

#### Data Quality Project for an Insurance Company

- Implemented Python automation for a Data Quality Project at an Insurance Company, streamlining data extraction and processing for a BI dashboard. Utilized regular expressions to improve variable quality, extracted data from web sources for city determination, and applied fuzzy string matching for email standardization. Contributed to an NLP algorithm for Greek-English name translation and designed a scoring system to detect duplicate records. Ensured code maintainability through rigorous testing and modularization.

#### Churn Prediction for a Communication Service Provider

- Contributed to a Churn Prediction project for a Communication Service Provider by debugging and testing large volumes of existing Python code for pre-processing and modeling. Developed a script to generate new features from historical data, recursively calculating churn and product switch over a four-year period. Experimented with a rudimentary fbprophet model for revenue forecasting and utilized Pandas to construct contingency tables for product competition analysis. Assessed data quality through correlation plots using Matplotlib.

#### Recalculation for Financial Reporting in the Telco and Forex Sectors

- Handled system comparisons with SAP Accounting using SQL Server, enhancing data integrity by importing, creating tables, and performing aggregations. Extracted and cleaned data from various formats, including PDF and HTML.
- Developed and managed trading profit and commission formulas for MT4 and MT5, focusing on FOREX, CFD, and FUTURES. This involved integrating complex trade data for accurate financial reporting and analysis.

#### Customer Segmentation Tool and Data Migration for an Energy and Petroleum Company

- Managed the ETL pipeline, adjusting the extraction connection from the SQL database and incorporating relative paths for flexible CSV file exports. Resolved code errors and converted the tool into an executable to enhance usability.
- Aided in the development of an ETL pipeline to facilitate data migration from PostgreSQL to Microsoft SQL Server utilizing SSIS, enhancing data integration and system interoperability.



357 - 99250369



ioakeim.h@gmail.com



[linkedin.com/in/ioakeim-h](https://www.linkedin.com/in/ioakeim-h)



Nicosia, Cyprus

# IOAKEIM HADJIMPALASIS

## EDUCATION

### MSc Psychology

2020 - 2021

- **Thesis:** Associative Learning in Humans. Data were analysed using two one-way Mixed ANOVAs and several Pearson Correlations.
- **Student support:** Live sessions for master's students who requested support with statistics. Explained theoretical and practical topics.

### BSc Sports and Exercise Science

2017 - 2020

- **Dissertation:** Physical Exercise on Mental States. Designed the methodological procedure, recruited and tested participants in a laboratory, analysed the data collected, discussed findings and successfully developed a scientific report.

### CertHE Sports Science and Coaching

2016 - 2017

- **Coaching:** Designed and conducted boxing sessions for beginners, exploring various leadership styles to foster an autonomous learning environment.

## COURSES

### CS50's Introduction to Programming with Python

Functions, Variables | Conditionals | Loops | Exceptions | Libraries | Unit Tests | File I/O | Regular Expressions | Object-Oriented Programming | Et Cetera

### Data Science Infinity

SQL | Python (Numpy, Pandas, Matplotlib) | AB Testing | Machine Learning (Data Preparation, Supervised & Unsupervised Models) | Advanced Applications of Scikit-learn

### Feature Engineering for Machine Learning

Missing Data Imputation | Categorical Data Transformations | Outliers | Feature Scaling & Selection

## WORK EXPERIENCE

### Quantitative Social Research Placement - Office for National Statistics (UK)

Jun 2021 - Sep 2021

- Used R to analyse Census data from 2011 and 2021. Decided on suitable variables, cleaned these and produced descriptives that helped senior leadership diagnose potential issues.
- Performed a literature review about the mental health of veterans in England and provided a concise summary of the main findings using tables and references.

### Fitness Instructor - MyGym (CY)

Jun 2019 - Sep 2019

- As a fitness trainer, I excelled in client consultation and communication. I engaged clients in comprehensive discussions about their lifestyles, goals, and health histories, ensuring a holistic approach to their fitness journey. This allowed me to tailor personalized strategies for achievement, taking into account individual needs and preferences.

## Research

During university, I conducted research projects with real participants, independently designing methodologies, preparing data, and performing SPSS analysis. I also collaborated with professors on scientific articles, leading in reporting and discussing findings.

### Introducing Change: Effortful Control Training on Food Evaluations and Unhealthy Choices

- Investigated a new Stop-Change paradigm's impact on food evaluations versus the traditional Stop-Signal task. Explored effortful control's role in a study with 316 participants. Found no significant differences in liking or cravings between groups but noted a link between effortful control and unhealthy food choices in the change group, indicating cognitive demands affect food evaluations.

### Cardiovascular vs Resistance Training on Affective States: A Pilot Study

- The study aimed to compare the effects of acute aerobic exercise and resistance training on affective states. Nine healthy Cypriot undergraduate students participated, undergoing both aerobic exercise and resistance training sessions. Although no significant differences were found between the two exercise types, the effect sizes observed were promising.

## PERSONAL INTERESTS

### Marathon Running

- I've cultivated the mental toughness to endure races across varied environments and temperatures. I'm dedicated to optimizing my nutrition for peak performance and refining my running technique to minimize injury risks while maximizing efficiency. I strategically prepare for key events, achieving successful finishes like the renowned Athens Marathon the Authentic. Additionally, I integrate strength training seamlessly, recognizing its importance for injury prevention and overall performance enhancement.