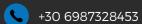
# **JOHN MARIS**

Data Science, MSc.

## **About Me**





gianismaris 13@gmail.com



<u>LinkedIn</u>



#### Interests

- Machine Learning
- Statistics & Causality
- Deep Generative Al
- Natural Language Processing
- Bioinformatics
- Time Series & Econometrics
- Mathematical Modelling
- Dynamical Systems

#### Language

- English (ECCE-Michigan)
- Greek (Native)

#### Soft Skills

- Time Management
- Teamwork
- Problem Solving

#### Education

Master of Science in Data Analysis & Machine-Statistical Learning.

Oct. 2023 - Feb. 2025

90 ECTS programme. Grade: 9.14 (Excellent). Supervisor: Yiannis Pantazis.

Thesis topic: Generative AI in Protein Engineering using Large Language Diffusion Models Organizing bodies:

University of Crete: Dep. of Mathematics and Applied Mathematics & Dep. of Computer Science; Foundation of Research & Technology Hellas (FORTH): Institute of Applied and Computational Mathematics (IACM) & Institute of Computer Science

## Bachelor of Science in Mathematics & Applied Mathematics.

Oct. 2017 - Sep. 2022

274/240 ECTS programme.

Grade: 7.6

Supervisor: Yiannis Kamarianakis.

University of Crete: Dep. of Mathematics and Applied Mathematics. Graduation requirements fulfilled in 9/2022, official graduation ceremony held in 7/2023.

## Experience

• Toyota Motor Europe: BEV Range Internship: Brussels, Zaventem (R&D)

## TOYOTA

(Dec. 2024 - July 2025)

- Internship at Foundation for Research and Technology Hellas (FORTH) -Statistical Learning & Predictive Modelling. (R&D) (Dec. 2022 - May 2023)
- University Teaching Assistant.
  - Machine Learning (Postgraduate), Python Computer Language (Fall 2023)
  - Introduction to Linear Algebra (Fall 2022)
  - Numerical Analysis (Spring 2024)

(Sep. 2022 - June 2024)

## **Publications**

- DiMA Protein Design: Generating Antimicrobial Peptides using Diffusion Models
- 15-Minute Ahead Traffic Volume Forecasting in Athens using AR-Distributed Lag and GARCH Models with Robust Quantile Regression for Forecast Combination.

BSc. thesis: Supervised Classification with Parametric Models Supervisor: Yiannis Kamarianakis

Identification of Normal Modes in Underwater Acoustic Propagation using Convolutional Neural Networks.

In Proceedings of 24th international congress on acoustics, ICA, Acoustical society, Korea, 2022. Authors: Costas Smaragdakis, John Maris, Michael Taroudakis.



#### **Programming & Frameworks**

Python 🤔

Mojo 🤚



















**NumPy** 

**MASS** 

😱 caret

ggplot2

glmnet

(I) cdt

