

# JOHN MARIS

MSc. student

## About Me

I am deeply passionate about data science, machine learning, statistics and mathematics. I'm in the final stages of my master's studies in Data Analysis & Machine Learning at the UoC and FORTH. Furthermore, I'm working as a Teaching Assistant.



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[Portfolio](#)



[LinkedIn](#)



[GitHub](#)

## Interests

- Machine Learning
- Statistics & Causality
- Deep Learning
- Deep Generative AI
- 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 - Jan. 2025

90 ECTS programme.

Current Grade: Excellent.

Supervisor: [Yiannis Pantazis](#).

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 (ICS).



### 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

- Internship at Foundation for Research and Technology - Hellas (FORTH) - Statistical Learning & Predictive Modelling.** (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

- 15-minute ahead traffic volume forecast in Athens using AR models, Koyck transformation, ARDL, ARIMA, GARCH, and robust quantile regression for combining forecasts.** 2024
- BSc. thesis: Supervised Classification with Parametric Models**  
Supervisor: [Yiannis Kamarianakis](#) 2023
- 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](#) 2022



## Programming & Frameworks

Python

PostgreSQL

Mojo

scikit-learn

pandas

PyTorch

TensorFlow

statsmodels

seaborn

matplotlib

SymPy

SciPy

NumPy

cdt

MASS

caret

ggplot2

glmnet

quantreg

forecast

sandwich

tsRNN