

IOANNIS MARIS

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


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ACADEMIC EDUCATION


🎓 **B.Sc in Mathematics - Applied Mathematics, University of Crete** (Oct.2017-Sep.2022) | **Grade: 7.6/10**

🎓 **M.Sc in Data Analysis & Machine - Statistical Learning, University of Crete, Department of Mathematics, Applied Mathematics and Computer Science, FORTH's Institute of Applied and Computational Mathematics (IACM) and Institute of Computer Science (ICS).** (Sept.2023-Jan.2025)

SKILLS

Math Interests	Probability & Statistics, Machine & Statistical Learning, Linear Algebra, Analysis, Dynamics
Computer Languages	Python 🐍 (excellent),  (excellent) , Mojo 🪄 (good), PostgreSQL (good), C++ (good)
Tools </>	Visual Studio, Jupyter Lab, RStudio  , Anaconda, L ^A T _E X, Xcode, Google Colab
Frameworks 	Scikit-Learn, TensorFlow/keras, numpy, scipy, causal-learn, cdt, matplotlib, pandas, seaborn, eigen (C++), statsmodels, sympy, TensorFlow.js, Mass, Caret, glmnet, nestedcv, doMC, foreach, AICcmodavg, xgboost, stats, Rcpp, CausalImpact, glasso, MXM, ISLR2
Soft Skills	Time Management, Teamwork, Communication, Problem Solving, Leadership, Accountability
Languages 	English (B2), Greek (Native)

EXPERIENCE

Internship¹ at Foundation for Research and Technology - Hellas (**FORTH**) Seasonal (Dec 2022 - May 2023)
Topic: Applied Statistics, Predictive Modelling with , Python

Graduate Teaching Assistant - Machine Learning (Postgraduate), Python Computer Language Fall 2023

Undergraduate Teaching Assistant - Introduction to Linear Algebra Fall 2022

PUBLICATIONS

Title: 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 · Oct 24, 2022

Authors: Costas Smaragdakis, Ioannis Maris, Michael Taroudakis.

PROJECTS 🔍

B.Sc. Thesis Statistical Learning | Supervised Classification with Parametric Models. (Grade: 10/10)²
Supervisor: Yiannis Kamarianakis [pdf](#) 🔗

Project Feature Selection with Causal-Based Models | applied in biostatistics [pdf](#) 🔗 👁 🔗

Project Investigating Conditional Independence in Bayesian Networks using Python [pdf](#) 🔗

Project Graphical Lasso - Graphical Learning of Sparse and Structured Biological Networks [pdf](#) 🔗

Project Automated Nested Cross-Validation for Predictive Models in Python and R 🔗 🔗

EXTRA-CURRICULAR ACTIVITIES

- Chess ♔ | Rocket Science & Astronomy 🚀 | CrossFit Training 🏋️

¹Institute of Applied & Computational Mathematics

²Grading oversight by Sofia Triantafylloy, Ioannis Pantazis, and Yiannis Kamarianakis.