IOANNIS (JOHN) MARIS

📞 +30 6987328453 ◇ Heraklion, Crete, Greece 📍 🏠
✉ gianismaris13(AT)gmail(dot)com ◇ Personal Website 🔗

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) | **Grade**: A (*Excellent*)[1]

SKILLS

Interests	Machine Learning, Statistics & Causality, Deep Learning & Generative Models, Bioinformatics, Time Series & Econometrics, Mathematical Modeling, Dynamical Systems, aws
Computer Languages	Python 🐍 (excellent), Ⓡ (excellent), Mojo 🔥 (good), PostgreSQL (good), C++ (good) .
Tools </>	Visual Studio, Jupyter Lab, Google Colab, RStudio Ⓡ, Anaconda, LaTeX, Xcode.
Frameworks 💻	Scikit-Learn, PyTorch, TensorFlow-keras, numpy, scipy, pandas, matplotlib, seaborn, causal-learn/cdt, statsmodels; Mass, Caret, glmnet, sandwich, forecast, xgboost, ggplot2, GGally, quantreg, hqreg, rqPen, eigen (C++)
Soft Skills	Time Management, Teamwork, Communication, Problem Solving, Leadership, Accountability
Languages 🔤	English (ECCE-Michigan), Greek (Native)

EXPERIENCE

Internship[2] 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

Graduate Teaching Assistant - Numerical Analysis Spring 2024

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: Supervised Classification with Parametric Models | Statistical Learning. [3]
Supervisor: Yiannis Kamarianakis pdf 🔗

Project NewYork Air-Quality dataset analysis using Penalized estimation, Stepwise model building, Adaptive regression and Monte-Carlo experiments part 1 🔗 part 2 🔗

Project Cardiovascular data analysis using penalized estimation, deep & ensemble learning combined with resampling techniques and employing numerical approaches to MLE using Fisher scoring pdf 🔗

Project Graphical Lasso - Graphical Learning of Sparse and Structured Biological Networks pdf 🔗

Project Feature Selection with Causal-Based Models | applied in biostatistics pdf 🔗 👁 🔗

---

[1] *Achieving the highest GPA in my master's program*
[2] *Institute of Applied & Computational Mathematics*
[3] *Grade: 10/10; grading oversight by Sofia Triantafylloy, Ioannis Pantazis, and Yiannis Kamarianakis.*

EXTRA-CURRICULAR ACTIVITIES

- Chess ♞ | Rocket Science & Astronomy 🚀 | Exercising & Training 🏃