

Charalampos Damianidis

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SUMMARY

PhD Candidate in Statistical Models in Meta-Analysis with a strong background in statistics, biostatistics, and statistical programming. Experienced in health data analytics, statistical modeling, and the development of reproducible computational tools for evidence synthesis. Research interests focus on statistical methods for evidence synthesis, with particular emphasis on individual participant data meta-analysis, causal inference, treatment-effect heterogeneity, and reproducible research.

SKILLS

- **Statistical & Machine Learning Methods:** Hypothesis Testing, Generalized Linear Models (Linear, Logistic, and Poisson Regression), Survival Analysis, Generalized Additive Models (GAMs), Machine Learning (Classification, Clustering), Meta-Research (Meta-Analysis, Network Meta-Analysis, Component Network Meta-Analysis), Linear Mixed Models, Bayesian Statistics, Bayesian data analysis
- **Programming & Tools:** Python (NumPy, Pandas, scikit-learn, Seaborn), R (Shiny, R Markdown, Quarto), SQL, C++, HTML, JavaScript, Microsoft Excel

EDUCATION

University of Ioannina | PhD Candidate in Statistical Models in Meta-Analysis | Ioannina | May 2026-present

- **Focus Area:** Statistical methods for evidence synthesis, including individual participant data meta-analysis, causal inference, treatment-effect heterogeneity, Bayesian meta-analysis and network meta-analysis

Aristotle University of Thessaloniki | MSc in Health Statistics and Data Analytics | Thessaloniki | October 2024- February 2026

- **Focus Area:** Meta Research
- **Cumulative GPA:** 9.18/10
- **Relevant coursework:** Generalized Linear Models, Big Data Analytics, Environmental Epidemiology, Genetic and Molecular Epidemiology, Meta-Research.
- **Thesis:** Development of a Tool for Living Network Meta-Analysis for Chronic Lymphocytic Leukemia (CLL)

University of Ioannina | BSc in Mathematics | Ioannina | 2019-2024

- **Focus Area:** Statistics and Programming
- **Cumulative GPA:** 6.68/10
- **Relevant coursework:** Statistical Inference, Regression and Analysis of Variance, Statistical Data Analysis, Computational Mathematics, Numerical Linear Algebra, Approximation Theory, Design and Analysis of Algorithms.

PROJECT

Development of a Tool for Living Network Meta-Analysis for Chronic Lymphocytic Leukemia (CLL):

Built a fully interactive R Shiny web application to automate Component Network Meta-Analysis (NMA) for CLL using real-world data from CERTH. The tool offers interactive model selection (additive vs interaction), consistency checks (global, local), and node merging, integrating advanced statistical modeling (R, netmeta) in a user-friendly interface that improves reproducibility for clinical research.

Supervised by Dr. Adriani Nikolakopoulou, Dr. Theodoros Papakonstantinou, and Dr. Thomas Chatzikonstantinou

EXPERIENCE

Laboratory Instructor — Medical Statistics | Aristotle University of Thessaloniki (AUTH) | 2025-present

- Teach the Medical Statistics laboratory to undergraduate medical students, delivering the full practical component of the course.
- Instruct students in the use of Jamovi for data analysis, covering data management, descriptive statistics, and interpretation of statistical outputs.
- Conduct hands-on sessions on core biostatistical methods, including t-tests, ANOVA, and analyses involving categorical variables.
- Guide students through the practical application of statistical concepts to real medical data, ensuring understanding of methodology and clinical interpretation.
- Design and deliver lab activities and exercises aligned with the theoretical component taught by the course professor.