



AUEB

PHD IN STATISTICS



Contemporary Postgraduate Studies of International Reputation

Who are we



The Department consists of 23 faculty members, covering a wide range of subjects: **Data Analysis, Stochastic Analysis, Computational Statistics, Bayesian Statistics, Biostatistics, Stochastic Epidemiological Models, Psychometry, Sports, Sampling, Environmental Statistics, Statistics in Ecology, Time Series, Financial Models.**

Why Choose Ph.D. in Statistics, AUEB?

- An enhanced program, welcoming candidates with an interest in **various fields of statistics.**
- Preparation of candidates, towards an Academic Career, or a Career in Research.
- A comprehensive program **supported by scholarships.**
- **Engaging Short Courses** (Machine Learning in Medicine, Financial Machine Learning, Football Analytics, Basketball Data Science, Ordinal Data Analysis)
- Conduction of numerous **Academic and Professional Seminars**
- Participation in comprehensive **Conferences and Workshops** (AUEB Sports Analytics Workshop, Covid Analytics, Summer School in Finance, Biostatistics and Health Analytics, Statistical Data Science)
- Collaboration with Prestigious European Universities (Joint PhD with University of Lausanne, ERASMUS+ visiting students abroad)

Minimum Requirements

- M.Sc. in Statistics or Relevant Field
- Research Proposal Outline, Proposed Title and Proposed Supervisor
- Two Recommendation Letters
- Good Command/Working Knowledge of the English Language

Applications can be submitted throughout the academic year, while registration takes place in September.

Program Structure

- The application is initially approved, if all minimum requirements are met.
- PhD candidates must attend and pass, throughout the 1st year of their Ph.D. Studies (*earning an average grade of, at least, 7*), the following courses:
 - “Probability and Statistical Inference”
 - “Computational Statistics”
 - “Generalized Linear Models” and
 - “Data Analysis”These courses are offered during the winter semester of the M.Sc. in Statistics Program.
- It is also possible, if suggested by the supervisor, for at least two (2) Ph.D. candidates to attend and be examined in “Stochastic Processes”, instead of, either “Generalized Linear Models” or “Data Analysis”.
- AUEB M.Sc. in Statistics graduates proceed directly to research (without any courses)
- Minimum studies duration cannot be less than three (3) full academic years since the committee’s appointment. Maximum duration is set at six (6) years since the committee’s appointment.

Current research topics

- ☒ Forensic Statistics
- ☒ Survival Analysis
- ☒ Covid Analytics
- ☒ Psychometrics
- ☒ Mixed-type Time Series
- ☒ Stochastic Analysis
- ☒ Probability Theory
- ☒ Neuroimaging and Dementia
- ☒ Bayesian Variable Selection for Big Data



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