MSc in Sports Analytics: The Future of Sport is Data-Driven

Two leading academic institutions in Greece

- ✓ Athens University of Economics and Business &
- ✓ National and Kapodistrian University of Athens

The program is among the first of its kind in Europe and is developed by the AUEB Sports Analytics Group, one of the leading academic groups worldwide in this field.

It offers postgraduate-level training at the intersection of Statistics, Data Science, Analytics & Sports, equipping graduates with the analytical skills required for data-driven decision making across key areas such as

- ✓ Performance analysis
- ✓ Prediction models for the betting industry
- ✓ Analytics Sports management
- ✓ Analysis for strategy development &
- ✓ Scouting algorithms,
- ✓ Video analysis



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+30 2108203681

https://aueb-analytics.wixsite.com/sports/msc-sports-analytics

Evelpidon 33, Athens, Greece

In collaboration with

- ✓ University of Trieste (Italy)
- ✓ Digisport Graduate School (University of Rennes 2, France) as a Double Degree
- ✓ University of Naples (Italy) as a Double Degree

MSc in

Sports Analytics



Data-Driven Innovation in Sports by top Experts

ΣΧΟΛΗ ΕΠΙΣΤΗΜΩΝ & ΤΕΧΝΟΛΟΓΙΑΣ ΤΗΣ ΠΛΗΡΟΦΟΡΙΑΣ
SCHOOL OF INFORMATION SCIENCES & TECHNOLOGY

ΤΜΗΜΑ ΣΤΑΤΙΣΤΙΚΗΣ
DEPARTMENT OF STATISTICS

MSc in Sports Analytics

AUEB SPORTS ANALYTICS GROUP
INNOVATIVE RESEARCH & ANALYTICS

Modern Curriculum

Compulsory Courses (5 ECTS)

1. Introduction to R and Python (C)
2. Data Analysis (C)
3. Visualisation and Data Science-Story Telling (C)
4. Sports Performance Analysis (C)
5. Sports Modelling (C1)
6. Big Data Analytics and Management (C1)
7. Applied Sport Economics (C)
8. Machine Learning (C1)
9. Basketball Data Science (C)
10. Football Analytics (C)
11. Introduction to Mathematics for Sports Analytics (C2 only, No ECTS)
12. Introduction to Statistical Methods (only C2)
13. Sports Marketing (C2)
14. Sustainability in Sports (C2)

Optional Courses (2.5 ECTS)

- ✓ Anthology of Sports
- ✓ Operational research and scheduling of athletic events
- ✓ Coaching by numbers
- ✓ Sports Law
- ✓ Sports Management
- ✓ Olympic Event Organization
- ✓ Biomechanics of human movement
- ✓ Integrated Exercise Physiology
- ✓ Special Topics of Sports Analytics

C: Compulsory in both tracks; C1: Compulsory in T1 & Optional in T2; C2: Compulsory in T2 & Optional in T1; Only C2: Compulsory for T2 & not available for T1

Tailored Specializations for Diverse Career Paths

1

T1: Sports Data Science Track

Focuses on the *technical* and *modeling* aspects of sports analytics

2

T2: Applied Sports Analytics Track

Emphasizes the *practical* application of data analysis for Sports Experts and Managers

Core Areas: Statistics, Analytics, and Data Science
as they apply to challenges in **Sports**



- Full English-taught curriculum
- Fees: 8,000€ (2025-26 Rate)
- Offered as a part- or full-time program
- Hybrid Course
  - ✓ Virtual Lectures
  - ✓ On-Site Exams
  - ✓ Optional Live workshops and Lectures

Features

01 Erasmus Funded MSc Theses abroad

02 Scholarship Opportunities

03 Master's Thesis or Internship

04 Double Degrees with Naples (Italy) and Digisport (France)