ΟΙΚΟΝΟΜΙΚΟ ΠΑΝΕΠΙΣΤΗΜΙΟ ΑΘΗΝΩΝ — ATHENS UNIVERSITY OF ECONOMICS AND BUSINESS

ΣΧΟΛΗ ΕΠΙΣΤΗΜΩΝ & ΤΕΧΝΟΛΟΓΙΑΣ ΤΗΣ ΠΛΗΡΟΦΟΡΙΑΣ / SCHOOL OF INFORMATION SCIENCES & TECHNOLOGY — ΜΕΤΑΠΤΥΧΙΑΚΟ ΕΠΙΣΤΗΜΗ ΔΕΔΟΜΕΝΩΝ / MSc IN DATA SCIENCE

List of Elective Courses

1. **Data Mining (6 units)**
2. **Information Retrieval (3 units)**
3. **Financial Information Systems (3 units)**
4. **Bayesian Statistics and Simulation Methods (6 units)**
5. **Big Data Systems and Techniques (6 units)**
6. **Statistics for Big data (3 units)**
7. **Time series and Forecasting Methods (3 units)**
8. **Optimization (5 units)**
9. **Advanced Econometric Models for Finance (3 units)**
10. **Deep Learning (6 units)**
11. **Data Science for Medicine (3 units)**
12. **Introduction to Quantitative Finance and Financial Risk Management (6 units)**
13. **Online Analytical Processing and Big Data Warehouses (3 units)**
14. **Social Network Analysis (3 units)**
15. **Data Science Challenge (5 units)**
16. **Advanced Costumer Analytics (6 units)**
17. **Recommender Systems (6 units)**
18. **Systems for Distributed Processing and Cloud (3 units)**