COURSE DETAIL

STATISTICAL LEARNING
Country Spain
Host Institution Carlos III University of Madrid
Program(s) Carlos III University of Madrid
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Statistics
UCEAP Course Number 101
UCEAP Course Suffix A
UCEAP Official Title STATISTICAL LEARNING
UCEAP Transcript Title STATISTCAL LEARNING
UCEAP Quarter Units 5.00
UCEAP Semester Units

3.30

Course Description

This course reviews the core methods of statistical and machine learning used to analyze data and support decision-making. Students acquire skills in unsupervised learning to build clusters and decrease dimensionality in big datasets, as well as classification and regression. Topics include: evaluation of learning methods; unsupervised learning-- clustering and dimension reduction; statistical classification; case studies.

Pre-requisites: Linear algebra; Probability and Data Analysis; Introduction to Statistical Modeling

Language(s) of Instruction
English

Host Institution Course Number
16487

Host Institution Course Title
APRENDIZAJE ESTADÍSTICO

Host Institution Course Details
https://aplicaciones.uc3m.es/cpa/generaFicha?est=350&anio=2022&plan=392&asig=16...

Host Institution Campus
Leganés

Host Institution Faculty
Escuela Politécnica Superior

Host Institution Degree
Grado en Ciencia e Ingeniería de Datos

Host Institution Department

Estadística

Course Last Reviewed
2025-2026

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