

# PROGRAMMA

2° EDIZIONE  
MASTER UNIVERSITARIO DI SECONDO LIVELLO IN  
DATA SCIENCE  
A.A. 2021-2022

## STATISTICS AND MACHINE LEARNING

12 CFU - 96 ORE

STATISTICAL MODELS

DATA ANALYSIS AND

STATISTICAL LEARNING

TREE-BASED MODELS

DATA MINING ON SOCIAL MEDIA

TEXT MINING

MISSING DATA

BAYESIAN AND NEURAL NETWORKS

DEEP LEARNING ON TEMPORAL DATA

## PROGRAMMING LANGUAGES

5 CFU - 40 ORE

PROGRAMMING WITH R

PROGRAMMING WITH PYTHON

## APPLIED MATHEMATICS, ECONOMICS AND BUSINESS

6 CFU - 48 ORE

RISK MANAGEMENT

REVENUE MANAGEMENT

MACHINE LEARNING IN ECONOMICS

AND BUSINESS

ECONOMETRICS FOR PANEL DATA

## COMPUTER SCIENCE

10 CFU - 80 ORE

DATABASES

DATA WAREHOUSING

BUSINESS INTELLIGENCE AND PERFORMANCE

DATA MINING

DEEP LEARNING

## EXPERIENCE

LAB - CASES STUDY

7 CFU - 96 ORE

DATA MANAGEMENT

DATA PROTECTION

WEB DATA

OUTPUT MANAGEMENT

CASES STUDY

BUSINESS CHALLENGE

BUSINESS GAME

SOFT SKILLS

## TIROCINIO

16 CFU

## PROJECT WORK

4 CFU