







Master universitario di secondo livello

ARTIFICIAL INTELLIGENCE **& DATA SCIENCE**

PROGRAMMA DATA SCIENCE

MACHINE AND STATISTICAL LEARNING 12 CFU - 96 ORE STATISTICAL MODELS DATA ANALYSIS AND STATISTICAL LEARNING REVENUE MANAGEMENT

ADVANCED STATISTICAL MODELS

TEXT MINING MISSING DATA

TREE-BASED MODELS

BAYESIAN AND NEURAL NETWORKS

DEEP LEARNING ON TEMPORAL DATA

PROGRAMMING SKILLS 5 CFU - 40 ORE PROGRAMMING WITH R PROGRAMMING WITH PYTHON APPLIED MATHEMATICS, ECONOMICS AND BUSINESS

6 CFU - 48 ORE

RISK MANAGEMENT

MACHINE LEARNING IN ECONOMICS AND BUSINESS

ADVANCED ECONOMICS

COMPUTER SCIENCE

9 CFU - 72 ORE

DATABASES

DATA WAREHOUSING

BUSINESS INTELLIGENCE AND PERFORMANCE

DATA MINING

DEEP LEARNING

DATA MANAGEMENT 4 CFU - 32 ORE **DATA MANAGEMENT DATA PROTECTION WEB DATA ERRORS IN DATA**

EXPERIENCE/LAB/CASES STUDY 4 CFU - 72 ORE **OUTPUT MANAGEMENT DATA/OUTPUT MANAGEMENT CASE STUDY BUSINESS GAME SOFT SKILLS**

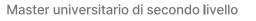
TIROCINIO CFU 16

PROVA FINALE 4 CFU









ARTIFICIAL INTELLIGENCE & DATA SCIENCE

PROGRAMMA ARTIFICIAL INTELLIGENCE

MACHINE AND STATISTICAL LEARNING

12 CFU - 96 ORE
STATISTICAL MODELS
DATA ANALYSIS AND STATISTICAL LEARNING
TREE-BASED MODELS
ADVANCED STATISTICAL MODELS
TEXT MINING
MISSING DATA
BAYESIAN AND NEURAL NETWORKS

ADVANCED PROGRAMMING SKILLS
8 CFU - 64 ORE
INTRODUCTION TO JAVA
OOP
DATA STRUCTURES AND ALGORITHMS
ADVANCED TOPICS IN JAVA

PROGRAMMING SKILLS
5 CFU - 40 ORE
PROGRAMMING WITH R
PROGRAMMING WITH PYTHON

DEEP LEARNING ON TEMPORAL DATA

DATABASES
5 CFU - 40 ORE
DATABASE DESIGN
DATABASE QUERYING
DBMSS

ARTIFICIAL INTELLIGENCE
6 CFU - 48 ORE
INTRODUCTION TO NEURAL NETWORKS
ADVANCED TOPICS ON NEURAL NETWORKS
KNOWLEDGE REPRESENTATION AND
REASONING
TEMPORAL REASONING AND PROCESS
INTELLIGENCE

EXPERIENCE/LAB/CASES STUDY
4 CFU - 72 ORE
OUTPUT MANAGEMENT
DATA/OUTPUT MANAGEMENT
CASE STUDY
SOFT SKILLS

TIROCINIO CFU 16

PROVA FINALE 4 CFU