



MACHINE LEARNING

START SEPTEMBER 2023

GOALS

- ✓ INTRODUCE BASIC CONCEPTS OF MACHINE LEARNING
- ✓ IMPROVE YOUR KNOWLEDGE AND USE OF PYTHON
- ✓ MOBILIZE THEORETICAL KNOWLEDGE FOR COMPUTER PROGRAMMING
- ✓ GAIN BROADER AND DEEPER UNDERSTANDING OF MODELS AND TOOLS USED BY DATA SCIENTISTS
- ✓ MANIPULATE SIMPLE MODELS ON REAL DATA
- ✓ ACQUIRE SOLID FOUNDATION IN MACHINE LEARNING TO PURSUE STUDIES OR EVOLVE YOUR CAREER IN THE DIGITAL ERA

DESIGNED FOR

- ✓ IT ENTHUSIASTS WITH SOME PYTHON EXPERIENCE, WANTING TO LEARN ABOUT MACHINE LEARNING, SUCH AS:
 - DATA ANALYST: PREDICTIVE ANALYTICS, DATA CLEANING
 - SOFTWARE ENGINEER: INTEGRATION OF MACHINE LEARNING
 - MARKETING SPECIALIST: CUSTOMER SEGMENTATION, CAMPAIGNING
 - RISK FINANCIAL ANALYST: FRAUD DETECTION, RISK ASSESSMENT
 - HR MANAGER: APPLICANT SCREENING, RETENTION ANALYSIS
 - SUPPLY CHAIN MANAGER: INVENTORY & DEMAND FORECASTING
 - RESEARCH SCIENTIST: EXPERIMENT DATA ANALYSIS
 - BUSINESS ANALYST: SALES FORECASTING, TREND ANALYSIS
 - CUSTOMER SERVICE MANAGER: SENTIMENT ANALYSIS
 - CYBER SECURITY SPECIALIST: INTRUSION AND ANOMALY DETECTION
- ...

ACCESS CONDITIONS

- ✓ BACHELOR DEGREE
- ✓ BASIC EXPERIENCE WITH PYTHON
- ✓ PASSIVE KNOWLEDGE OF ENGLISH
- ✓ ALL ADMISSIONS ARE BASED ON A FILE TO SUBMIT

TEACHER

DR. OLIVIER CAELEN

PROGRAM

COURSES


- ✓ COURSE 1 - INTRODUCTION TO MACHINE LEARNING
- ✓ COURSE 2&3 - MACHINE LEARNING WITH PYTHON
- ✓ COURSE 4 - THE BASICS OF DEEP LEARNING
- ✓ COURSE 5 - AUTOMATIC LEARNING FOR IMAGE AND TEXT ANALYSIS
- ✓ COURSE 6 - DATA VISUALIZATION AND UNSUPERVISED LEARNING
- ✓ COURSE 7 – END EVALUATION (TO TAKE IN FRENCH OR ENGLISH)

TEACHING METHODS: THEORETICAL SESSIONS WITH POWERPOINT PRESENTATIONS AND PROGRAMMING EXERCISES WITH PYTHON.

PRACTICAL INFORMATION

 7 SATURDAY MORNINGS – 4 HOURS EACH
NEXT SESSION IN SEPTEMBER / OCTOBER 2023

 ULB CAMPUS SOLBOSCH OR LA PLAINE

 950€ - FULL FEE
650€ - REDUCED FEE

 WANT TO KNOW MORE? FOLLOW THE LINKS BELOW!

CONTACT

TECHSCI@ULB.BE

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