



DOUBLE DEGREE PROGRAMME

Data analytics

with Università Ca' Foscari Venezia

Prerequisites for this double degree programme → Strong background in scientific methods
(mathematics, physics or computer science)

M1 Master DATA ANALYTICS FOR BUSINESS & SOCIETY

M2 Master ECONOMICS track ECONOMETRICS BIG DATA STATISTICS

The first year will take place in Italy, Ca' Foscari Venezia

Courses Data analytics for business and society	ECTS
Computer Programming and Data Management	12
Statistical Learning for Data Science	12
Econometrics	6
Economics of Risk and Agent's Behaviour	6
Managerial Decision Making and Modelling	6
Data Analytics and Artificial Intelligence	12
Data Protection Regulation	6

The second year will take place in France, AMSE graduate school, Aix-Marseille University

Courses Econometrics, Big Data, Statistics - Term 3	ECTS
Languages, softwares and tools for Big Data - Programming for Big Data (Python, SQL, noSQL, etc) - Software for big data	6
Advanced econometrics I: theory and applications - Methodology of econometrics and statistical studies - Advanced econometrics - Nonparametric methods in econometrics	9
Advanced methods in Big Data - Automatic model selection methods - Predictive methods - Machine learning and statistical learning	9
Applications for Big Data: elective teaching units (choose 2 among 4) - Big data and economics - Big data and quantitative marketing - Big data and finance - Big data: other applications	6 3 3 3 3
Courses Econometrics, Big Data, Statistics - Term 4	ECTS
Advanced econometrics II: theory and applications - Transition and duration models - Models for truncated and censored variables - Multivariate and non-linear time series	9
End-of-study internship with report and defence	21



CONTACTS

Please do not hesitate to contact us if you have any question or concern.

Aix-Marseille School of Economics

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<http://amse-feg.univ-amu.fr/>

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