

Licence Mathématiques et informatique appliquées aux sciences humaines et sociales

Big Data 1 : introduction

Responsable	Descriptions	Informations
Sullivan HUE sullivan.HUE@univ-amu.fr	Code : BMH5V12A Nature : Domaines : Droit, Économie, Gestion, Sciences et Technologies	Composante : Faculté d'Économie et de Gestion Nombre de crédits :

LANGUE(S) D'ENSEIGNEMENT

Français

CONTENU

This course proposes an introduction to Big Data. The objective is to provide a broad scope view of the main challenges related to Big Data and to introduce their main solutions.

Course outline:

1. What are "Big Data" and where do they come from?
2. How to manipulate Big Data (Hadoop, NoSql, etc.)?
3. How to analyse Big Data? The difference between econometrics and machine learning
4. "Fat Data" and machine learning
5. Advantages and limits of machine learning techniques
6. Pros and cons of Big Data
7. Remaining challenges
8. Application on a software (R/Python)



Dernière modification le 21/07/2023

COMPÉTENCES À ACQUÉRIR

- Understanding why Big Data has now such an important place in the society
- Knowing the different challenges related to Big Data
- Knowing how to deal with Big Data (depending on different objectives)

MODALITÉS D'ORGANISATION

24h of lecture including applications

BIBLIOGRAPHIE, LECTURES RECOMMANDÉES

- Big Data: New Tricks for Econometrics, Hal R. Varian, 2014
- Big Data in economics, Harding and Hersh, 2018

PRÉ-REQUIS OBLIGATOIRES

Basic notions of economic analysis and statistics

VOLUME HORAIRE

- Volume total: 24 heures
- Cours magistraux: 16 heures
- Travaux dirigés: 8 heures

CODES APOGÉE

- BMH512A [ELP]

M3C

Aucune donnée M3C trouvée

POUR PLUS D'INFORMATIONS

[Aller sur le site de l'offre de formation...](#)