



HEALTH INFORMATICS - WEB BASED DATA PROCESSING AND ANALYSIS (WEBDATA)

DATES : FROM MAY 20 AM TO MAY 23 PM (24 HOURS)

OBJECTIVES

To provide the abilities to perform Public Health studies which integrate data from social networks and web forums, linked open data and mobile data. It will be driven by use cases based teaching and practical hands-on supported by conceptual and theoretical background. Attendees will practice using environmental and geo-tagged data, web forums data and large a large mobile data set (call details records).

COURSE FEES

Individual : 600 Euros
Institution : 1200 Euros

INSTRUCTORS

Basile CHAIX
Georgeta BORDEA
Sébastien COSSIN
Gayo DIALLO (DIRECTOR OF STUDIES)
Fleur MOUGIN
Romain BOURQUI

LOCATION

University of Bordeaux

MODULE PROGRAM

- Introduction to Web based data for Public Health
- Geolocalized and Environmental Data processing and analysis
- NLP tools and approaches for web based data
- Web based data indexing and retrieval
- Hands on Web based data indexing and retrieval
- Linked Open Data Querying
- Web based data visualization
- Use case on call data records analysis

REQUIREMENTS

Programming skills, data management ability

SUGGESTED READING LIST

1. Atefeh Farzindar, Diana Inkpen. Natural Language Processing for Social Media, Second Edition, Synthesis Lectures on Human Language Technologies. Morgan & Claypool Publisher, Dec 2017
2. Nuria Oliver, Aleksandar Matic and Enrique Frias-Martinez. Mobile Network Data for Public Health: Opportunities and Challenges. Front Public Health. 2015; 3: 189
3. David Wood, Marsha Zaidman, Luke Ruth, Michael Hausenblas. Linked Data: Structured Data on the Web. Manning Publications; 1 edition (January 24, 2014)