



KAMK • University
of Applied Sciences

Course 2: Big Data Analytics I

Course description

Big Data Analytics I
5 ECTS
Grading: 1-5
Language: English

Big Data is everywhere now. What is Big Data? Why it is important? What can you do with it? This course gives you an overview of Big Data and how to analyze it, i.e. Big Data Analytics. The course is a collection of interesting videos, reading material and exercises.

Learning outcomes:

- Understanding Big Data characteristics
- Get familiar with Big Data preprocessing
- Installing and using Big Data Analytics tools
- Understanding Big Data mathematics
- Learn what a dataset is
- Visualization tools and best practices
- Getting familiar with some Big Data related ethics

Course contents:

- Introduction: What is Big Data?
- Why is everyone talking about Big Data?
- Data Preprocessing
- Big Data Mathematics
- Python tools for Big Data
- Big Data Visualization
- Ethics and Big Data