

Applied MSc in Data Engineering

“NOSQL/Graph databases with Neo4j + by Jérôme Bâton”

Volume of classes hours: 14 hrs (*± same personal work expected*)

Course summary:

After an overview of NOSQL and a bit of graph theory, we will focus on a graph database named Neo4j. We will do workshops with several (open) datasets in order to learn the Cypher language and see the ecosystem of Neo4j.

Course Objectives:

- * Understand graphs
- * Understand when to use graph databases
- * Confidence with Neo4j Desktop and Neo4j server
- * Learn how to import data (CSV, JSON, SQL db)
- * Learn how to query in Cypher language
- * Call Cypher from different programming languages

Theoretical background used:

- * Sets theory
- * Graph theory
- * SQL

Technologies Used:

Java, Neo4j, Python

Course evaluation:

Project