

Course Organization

Advanced Databases

Pierre Senellart



22 September 2022

Content of these course

- Advanced topics in **data management**
- Assumes you already have basic knowledge on **relational data management** (but refresher on this today)
- Going **beyond** classical relational data management:
 - Understanding limits of classical databases
 - NoSQL: Alternative data models
 - NewSQL: Different architecture for relational data management
 - Computation on distributed data
- **Positioning**: mix between **principles**, **systems** aspects and **foundational** aspects (logics, complexity)

Practical organization

- 16 half-day sessions (+ exam)
- Course content: Mainly lectures but also practical sessions, either on paper or on your own computer (will occasionally ask you to pre-install some software)
- Evaluation: Exam on December 14

Lecturers



Pierre Senellart

Professor ENS

in charge of the course, 8 sessions



Daniela Grigori Professor Paris-Dauphine

3 sessions



Michaël Thomazo

Researcher Inria, Adjunct Professor PSL

3 sessions



Khalid Belhajjame

Associate Professor Paris-Dauphine

2 sessions