

## Master M1 MAS 2020/2021

### Representation and approximation of structured data

#### Elevator talks (5 min, 1 A4 page, max)

- ~~• What is the FFT?~~
- What is the DCT
- ~~• What is the SVD?~~
- ~~• What is PCA?~~
- ~~• What is quick sort?~~
- ~~• What is jpeg?~~
- ~~• What is jpeg 2000?~~
- What is mpeg?
- ~~• What is mp3?~~
- ~~• What are pseudo-random numbers?~~
- ~~• What is noise and colored noise?~~
- ~~• What is Gaussian white noise?~~
- What is SNR?
- ~~• What is GAFA?~~
- ~~• What are neural networks?~~
- What are Monte-Carlo simulations?
- ~~• What is sparsity?~~
- What is compressed sensing?
- ~~• What is deep learning?~~
- What does DBSCAN?
- ~~• What are GANs?~~
- ~~• Top 500 supercomputers~~
- ~~• Maximum likelihood estimation~~
- What is a neuron?
- What is a convolutional neural networks
- What is artificial intelligence?