Deep learning

Romain Tavenard (Université de Rennes 2)

Administrative details

- 24 hours

- Instructor: Romain Tavenard
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- Webpage: rtavenar.github.io/teaching/ml/

- Lecture notes: rtavenar.github.io/deep_book/

- Tools: Deepnote (create an account) or Google Colab (create an account) or Jupyter Notebooks running on your machine

- Evaluation
  - Individual project (scikit-learn)
  - End of semester: Multiple Choice Questionnaire + Lab session
  - Post-semester: Group presentations of research articles

Some slides are more important than others…

- Slides marked with this symbol:

  Are considered basic knowledge to pass the exams

Contents

- Machine Learning in Python with scikit-learn (video + notebooks)

- Intro to deep learning

- Fully-connected models

- Images & ConvNets

- Generative models