

# Deep learning

---

Romain Tavenard (Université de Rennes 2)

# Administrative details

---

- 24 hours
- Instructor: Romain Tavenard  
[romain.tavenard@univ-rennes2.fr](mailto:romain.tavenard@univ-rennes2.fr)
- Webpage:  
[rtavenar.github.io/teaching/ml/](https://rtavenar.github.io/teaching/ml/)
- 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