



Exam Projects for Neural Networks 2020/2021

DANILO COMMINIELLO & SIMONE SCARDAPANE

NEURAL NETWORKS

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SAPIENZA
UNIVERSITÀ DI ROMA

Project procedure

- 1 Select a method from [PapersWithCode](#).
- 2 Ask to a tutor for **confirmation**.
- 3 Provide a **re-implementation** (i.e., code from almost-scratch) of the method in TensorFlow or PyTorch. If you use external code, clearly separate your implementation from the external code.
- 4 Perform a **small number of experiments** (depending on your hardware) to benchmark your implementation.
- 5 Summarize everything in a **report** (method, your implementation, experiments).
- 6 Send code and report to a tutor for a **preliminary evaluation**.
- 7 After a positive evaluation you can prepare a **presentation** (10 minutes max) and take the **exam** with Prof. Uncini.

Additional information

Each project can be carried out by 1 or maximum 2 students.

Experiments, report and presentation must be proportioned to the number of students.

You can start working on your project when you prefer from now to mid-September 2021.

Project as a part of the thesis

If you are interested in a thesis at ISPAMM Lab, you can take a look at the proposals on our websites:

- <http://danilocomminiello.site.uniroma1.it/>
- <http://ispac.diet.uniroma1.it/scardapane/>

If you are interested, you can ask for a specific topic and then continue working on it with a thesis.

Neural Networks 2020/2021

Contacts:

DANILO COMMINIELLO: daniilo.comminiello@uniroma1.it

SIMONE SCARDAPANE: simone.scardapane@uniroma1.it



Intelligent Signal Processing
And MultiMedia lab