Homework Instructions for Deep Learning 2021/2022

Introduction:

- Learn how to use [Google Colab](#) (you can log in with the @studenti.unipd.it account)
- There are 6 homeworks in total, spread throughout the semester.
- You will find the homeworks on Moodle (we will notify you in class as well).

Homeworks How-To:

1. Download the IPython notebook from Moodle (a homework consists of a single *.ipynb* file).
2. Upload it on Google Colab (you can also use Jupiter notebooks on your local machine or any other tool, but for evaluation we will test your code on Colab so please make sure everything works there as well).
3. After the upload, the Colab Notebooks can also be accessed in Google Drive from the yellow *Colab Notebooks* folder under *My Drive.* Notice that in Google Drive you can ONLY run notebooks that are in that specific folder.
4. Modify the homework file, completing the required exercises/lines within the code.
   - In some cases you will find some lines of code to complete, indicated with the comment #To complete
   - In other cases, you will be required to write entire functions/snippets of code. You will find the same indication as before: #To complete
   - Finally, you may be required to discuss and motivate your solutions.
   Remember to run your notebook in all its parts before submitting it (the output is stored in the .ipynb file) so we can compare your final outputs with ours when we run the code in Colab.
5. Once you complete the homework, submit it via Moodle.
6. You will receive an evaluation: if it is positive, you have passed the homework. If it is negative, you are required to fix your homework and submit it again.
   Note that it will take some time to correct all the homeworks, see the following points.

Important facts about deadlines:

- You have to submit all the assigned homeworks AT THE LATEST **two weeks** before the date of the exam session you want to take.
- The submitted homeworks will be evaluated. In case of negative evaluation of at least one homework, you cannot take the exam.

- If you submit your homeworks during the course, at most **one week** after it has been assigned, we will give you feedback soon enough such that, in case it is not sufficient, you can correct it and submit a new version before the first exam.

Homework evaluation:

To take part in the exam, you must have a positive evaluation in all the homeworks, that is all the homeworks must be evaluated as sufficient. If you fail some homeworks, you must resubmit them in one of the subsequent deadlines.

Additional notes:

The submitted homeworks will be checked with an automatic tool of plagiarism detection (ironically, based on deep learning). If your homework (in particular the discussion parts) is uncannily similar to a previously submitted one, both the homeworks will be rejected.