Université Nice Côte d'Azur
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Année 2025/26
M1 CS
AIMA

Project Instructions

Contents

1 The teams

Each team is made of minimum two and at most three students. Teams must be **homogeneous** *ie.* either made of alternants student only or of non-alternant students only. All other team compositions are forbidden. To register your team, please go on the Moodle website for our course. Choose the tab `Project` and look for the activity `Teams formation`.

Beware! The activity `Teams formation` has a limited duration. It will end by **November 7th, 2025 at 23:59 (Paris time)**.

2 What to submit and when

You should submit a compressed (only `.zip` format will be accepted) file with a name `AIMA-2025-XX.zip` where `XX` is the ID (or the name if you provided one) of your team. This archive **must** contain the following four directories: `pre`, `src`, `img` et `rep`. These directories are supposed to contain, respectively:

- the sources of the scripts or the programs used for preparing data (preprocessing);
- the Python scripts for your project;
- the graphical data or any other image used in the project;

- the report (if you make in LaTeX, please provide full sources, tables and figures to be sure that I can produce a pdf from LaTeXsources).

Do not upload the datasets with your sources, just indicate in the report which datasets you used and where to download them.

Deadline Submit your project via the Moodle website of the course not later than **January 22th, 2026 at 23:59 (Paris time)**.

2.1 Late penalties and deadline extension requests

If the project is not submitted within the deadline, you should expect penalties on the rating. The penalties will be proportional to the delay. No deadline extension without penalties is allowed, except for exceptional cases which will be judged case by case.

3 How to submit your project

Projects must be submitted via `Moodle`. In the tab `Project`, you will find an activity called `Submit the project`.

The approval of a single team member is enough to complete the submission activity.

4 Project evaluation

The project aims at representing a real application case of the concepts seen during the NNL course. The evaluation will therefore take into account three aspects:

(C) the code;

(P) the performances (predictive power, training speed, predictive speed);

(R) the report.

Details about how each of those aspects is evaluated as follows.

4.1 The code (C)

Like in all programming projects, the program should meet all the specifications detailed so far. In this part, we are going to evaluate the quality of your code, the solutions adopted, the genericity of the code and the quality of the documentation.

4.2 Performances (P)

In this part we are going to evaluate the performances of your code in terms of *accuracy* and other performance parameters, learning speed and reliability. In order to measure reliability, we are going to test your project against a small set of new data that which will be used also for evaluating all other projects.

4.3 Report (R)

The last (but not least!) part of your project consists in writing a short report (no more than 30 pages). This report should contain *a minima*:

- a short description of the project and its goals;

- a description of the data set used and how it was built, retrieved and prepared;
- the methodology followed to answer the project questions or to overcome the difficulties encountered during its development;
- the results obtained and, whenever possible, their graphical visualization;
- a section with conclusions and perspectives;
- a short presentation of each team member and of his/her role in the project.

Reports written in LaTeX will receive higher marks!

4.4 Marks

All parts of the project will be evaluated up to 5 points. This will provide a note $C + P + R$ to which the mark (also up to 5 points) for practice classes TP will be added.

Extra points are awarded to those who extend the project with extra capabilities such as:

- adding a GUI;
- adding extra feature analysis;
- adding more models and making a comparative analysis;
- *etc.*

Beware! An antiplagiarism software (against the Web or the other projects) will be run on your project when evaluation `(C)` or `(R)`. Actions will be taken in case of clear plagiarism.

4.5 Oral presentations dates

For scheduling reasons we are obliged to arrange oral presentations on two different dates:

January 27th, 2026: (**DATE TO BE CONFIRMED**) 10 teams which uploaded their solution first.

January 28th, 2026: (**DATE TO BE CONFIRMED**) all remaining teams.

All teams members **must** be present for the full slot of about 4 hours during which their presentation will take place independently from their precise schedule.

5 SOS!

If during the project you are stuck for some reason, do not stop there! Please apply the usual algorithm:

1. redouble your efforts for a finite time (1 day maximum);
2. if Step 1. does not give the expected results then ask you class mates;
3. if Step 2. does not work either then ask to former students of the class (in Master 2 at present);
4. if it still does not work, then contact your teacher urgently!

Steps 1. to 3. must not take more than 3 days!

Good luck!