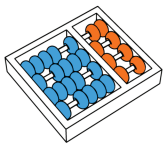
MC906A/MO416A - Introducition to Artificial Intelligence
Institute of Computing - Unicamp
First Semester 2020



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Final Project - Deadline: 09/08/2020

1 Goal

This work aims to build a **Fuzzy** or **Machine Learning** system to solve a problem chosen by the group. The job is to find a suitable solution to the chosen problem. The project must contain:

- What problem is being investigated
- A description of the technique (for example, the network architecture) employed
- The results achieved associated with a discussion on the same
- Implementation specifics and restrictions
- The list of responsibilities and the level of participation of each member of the group in the final project

The system must be evaluated according to the quality of the solutions found and a critical evaluation is expected on the relationship between the choices made x quality of the solution. Graphs and tables representing the results of the solutions are expected. Additional comparisons with the literature are welcome, although they are not mandatory. If the group is using an existing implementation, this information needs to be clearly presented in the text.

2 Group

The project must be carried out by groups of a maximum of 5 students.

3 Programming languages

The programming language used in the work can be selected by the group, as long as it is compatible and justified in the context of the problem. The use of general visualization libraries, data structures, etc., is allowed.

4 Project submission

The work must be submitted via Google Classroom.

5 Report, Video and Presentations

The definition of the problem, the solution and the results obtained must be presented in a report with a maximum of 6 pages. The report template is available on the discipline's classrrom and should be used by the group. The groups will make the presentation during class time.

The groups should prepare a video of a maximum of 3 minutes describing the problem addressed, the solution employed and the most significant results achieved.

6 Evaluation

This work will be evaluated according to the following criteria:

- Submission within deadline
- Quality of the solution employed
- Final presentation and discussion of the work (on the specified date)
- Report
- Code analysis
- Video analysis
- Individual student participation in the project

7 Dates

- Final Project (PF):
  - PF Submission deadline: 09/08/2020
  - PF Presentation: 10/08/2020 and 12/08/2020