Research description

October 3, 2024

1 Introduction

Here we expect you the discuss the following topics:

- Give a general description of your research problem.
- Describe its relevance, why should we be interested in addressing the problem?
- Describe the significance of your solution: how important or useful are the expected results of your project.
- If applicable, describe the novelty of your approach.

Research problem.

Relevance.

Significance.

Novelty.

2 Related work

Give an overview of the scientific literature that you have consulted so far. Bibtex is recommended for citations. Contrast the discussed papers with your problem or approach (what is different in your project). You can use the commands \citet and \citep for textual and parenthetical citations, respectively.

- Murphy (2012)
- (Murphy, 2012)

3 Research questions

Based on your problem description and the related work you consulted, define a set of research questions that you aim to answer. Give a main research question, which is decomposed into a small number of research questions.

4 Expected outcomes

Discuss what you expect the results will be of your projects. You can think of an experimental analysis, algorithm implementations or novel algorithms (e.g., algorithm X is extended with feature Y).

5 Research plan

`Discuss the steps that are necessary to achieve your goals and how you are going to divide the work among the team. Provide your plan of work for this project, describing the expected activities for each week.`

References

Kevin P. Murphy. *Machine learning - a probabilistic perspective*. Adaptive computation and machine learning series. MIT Press, 2012.