

Your Project Title

Project Midterm Report

Team Members: xxx1, xxx2, xxx3

Abstract

Put your abstract here. It should be a brief summary of your task, motivation, algorithm, and results. Please keep it about 150 words.

The length of your midterm report should be at least 3 pages not including references. Please replace contents with your report contents, and then delete this paragraph.

Note that for groups with only one student, the requirement for this midterm report length is 2 excluding references. You can change the length of each part proportionally.

1 Introduction

Use several paragraphs to introduce the background, machine learning tasks, the dataset you use, your target machine learning models, and your expected outcomes.

2 Related Work

Please briefly introduce some related works to your project. The related work could be some papers related to your machine learning algorithm.

Usually, this part accounts for 0.5 page. Here, you can list one or two related works for midterm. The final version could be finished in the final report.

3 Your methods name

In this section, you will introduce your machine learning algorithms used in this part.

If you are using existing methods on a **new dataset**. You can talk about “dataset collection”, “data pre-processing”, “Feature selection”, “Choices of hyper-parameter”, “Evaluation metrics”, etc.

If you propose some **new methods**. You can talk about “Drawbacks of existing methods”, “Your proposed methods”, “Your models based on your methods”, etc.

These are possible subsections in this part. You don’t need to include all of them. I want to see the contents that you spend time on and have some insights.

This part is one of the most important sections. The length of this section should be about 1.5 pages.

4 Preliminary Results

In this section, you will list some experimental results with some comparisons with some baseline methods.

For example, you choose to use SVM on a new dataset. Possible baselines would be linear perceptron and logistic regression by using the same set of features.

In this midterm report, you can use a table to show some preliminary results along with some discussions. This part should be about 0.5 page.

5 Future plan

In this section, briefly discuss your plan based on current achievements.

6 References

Please include your references here.