

APPLIED MACHINE LEARNING SYSTEM ELEC0134 21/22 REPORT

SN: 12345678

ABSTRACT

This section provides a brief overview of the methodology/results presented in the report.¹

Index Terms— One, two, three, four, five

1. INTRODUCTION

This section introduces the problem, a brief bird's-eye view of the methodologies you adopted and the organization of this report.

A citation example is given here [1]. Use IEEE citation format.

2. LITERATURE SURVEY

This section should focus on an overview of potential approaches to solve the tasks. You can introduce some classical and state-of-the-art machine learning algorithms.

3. DESCRIPTION OF MODELS

In this section, you should briefly describe the model you are using for each task, along with the rationale. You may opt to use a single learning algorithm to solve the problem or multiple ones, but bear in mind there are page limitations and that you should explain your rationale behind your choices. That is, the algorithmic description must detail your reasons for selecting a particular model.

You can clarify them with flow charts, figures or equations. An example of how to draw an image is demonstrated in Fig. 1.

3.1. Task A: the task name

Hello world!

3.2. Task B: the task name

Hello world!



Fig. 1. A nice view of Roberts Building

4. IMPLEMENTATION

This section must provide the detailed implementation of your models. In particular, you must provide the name and use of external libraries, explain hyper-parameter selection, training pipeline (if any) and key modules/classes/functions/algorithms.

You also must provide a detailed description of the dataset (content, size, format, etc.), any data pre-processing that was applied and how you separate your dataset into training, validation and test sets.

The execution of your models also should be reported here. In particular, this section should include a thorough discussion on the training convergence and stopping criterion (it is recommended that learning curves graphs be used to this effect).

4.1. Task A: the task name

4.1.1. module name

Hello world!

4.2. Task B: the task name

Hello world!

¹The code is provided link-to-download-your-project.com and GitHub project: link-to-your-github-project

5. EXPERIMENTAL RESULTS AND ANALYSIS

This section describes and discusses your results. Additionally, this section should include accuracy prediction scores on a separate test dataset, provided by the module organizers, but not used during your training and validation process.

We recommend you use a table to list the tasks, models and results before analysis.

Table 1. Example of Table

Col1	Col	Col3	Col4
Row1			
Row2			
Row3			
Row4			

6. CONCLUSION

This last section summarizes the findings and suggests directions for future improvements.

7. REFERENCES

- [1] C.D. Jones, A.B. Smith, and E.F. Roberts, “Article title,” in *Proceedings Title*. IEEE, 2003, vol. II, pp. 803–806.