Applied Machine Learning Systems ELEC0132 Assignment

Maryam Habibollahi
Department of Electronic and Electrical Engineering
University College London
zceemha@ucl.ac.uk

***Abstract*—Brief overview of the methodology/results presented.**

***Index Terms*—Machine learning, ...**

I. Introduction

The problem statement.

Dataset description summarising data (content, size, format, etc.) and describing any *data preprocessing* applied.

II. Proposed algorithms

Algorithmic approach used to solve the problem.

Explain rationale behind choices, i.e. detail your *reasons for selecting a particular model*.

III. Implementation

Provide name and use of *external libraries* and explain how *model parameters* were selected.

Thorough discussion on the training convergence and stopping criterion (use learning curves graphs).

IV. Experimental result

Describe and discuss results, compare to other approaches in literature or variations of ML solutions.

Include *accuracy prediction scores on a separate test dataset, provided by the module organisers, but not used during training and validation*.

V. Conclusion

Summaries all findings and suggest direction for future improvement.

VI. Related Work

Summarise latest reserach on the topic, discussing merits/disadvantages of diff approaches.