Report Title

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Abstract

The abstract text goes here. Here is a bit more of my abstract.

1 Introduction

Here is the text of your introduction.

Here is a simple equation ma man.

$$\alpha = \sqrt{\beta} \tag{1}$$

I can refer to my equation by saying look at Equation (1).

Here is a multi-line equation:

$$f(\mathbf{x}; \mathbf{w}) = \sigma(\mathbf{w}^T \mathbf{x}) \tag{2}$$
$$= \frac{1}{1 + e^{-\mathbf{w}^T \mathbf{x}}}$$

I can point people to literature like this [**?**] (a conference paper) or this [**?**] (a journal paper), or even this [**?**, Sec. 4.1] (a book, with section indicated). See the file `report.bib` for how these bibliographic entries are defined.

It helps to have a convention to the font used for particular mathematical objects. A common convention is: for simple values use lower case latin characters s (this might include observed values in probabilistic work); for sets use caligraphic upper case $\mathcal{S}$; for vectors of values use bold latin $\mathbf{s}$; for matrices use upper case latin S; and for parameters (including parameters in probabilistic models) use lower case greek letters (scalar), σ, bold greek (vectors), $\boldsymbol{\sigma}$, and possibly upper-case greek for matrices of parameters Σ. However, it is up to you to develop your own style.

1.1 Subsection Heading

Write your subsection text here. Here I am referencing Section 1. Figures and tables can be inserted and referred to, e.g. Figure 1 and Table 1.

Figure 1: Simulation Results

	Interested	Understand
Linear Regression	N	Y
Neural Networks	Y	N

Table 1: Some results as a table.

1.2 Quoting and Emphasis

When you quote or emphasise things, you have a few options. I tend to put things in italics, e.g. Luke told me, *Put it in italics!*. If you prefer to put it in quote-marks then do so, but make sure you use left and right quotes properly, e.g. Luke told me, "Use left quotes to open, and right quotes to close!".

2 Methods

3 Results

4 Discussion

5 Conclusion

Declaration

This document represents the group report submission from the named authors for the project assignment of module: Foundations of Machine Learning and Data Science (INST0060), 2019-20. In submitting this document, the authors certify that all submissions for this project are a fair representation of their own work and satisfy the UCL regulations on plagiarism.