Deep Learning

Michael Harrison

Submitted for the Degree of Master of Science in

Machine Learning

Department of Computer Science
Royal Holloway University of London
Egham, Surrey TW20 0EX, UK

August 4, 2018

Declaration

This report has been prepared on the basis of my own work. Where other published and unpublished source materials have been used, these have been acknowledged.

Word Count: 10,000

Student Name: Michael Harrison

Date of Submission:

Signature:

Abstract

This dissertation covers a bunch of stuff!

Contents

List of Figures

1 Section one

This is a sample section.

2 Section two

An example of a reference: [1].

3 Section three

Here's another example of a reference: [2]

4   Section four

Sections four!

5 Section five

5.1 Subsection one

This is subsection one

5.2 Subsection two

5.2.1 Subsubsection one

This is sub-sub-section one of subsection two.

6 Image Test

Figure 1: Example X-Ray Image

As can be seen in **Figure 1**, the x-ray is of a hand. A side-profile of the hand from the same study can be seen in **Figure 2**.

Figure 2: Another example X-Ray Image

References

[1] Trevor Hastie, Robert Tibshirani, and Jerome Friedman. *The Elements of Statistical Learning: Data Mining, Inference, and Prediction.* Springer, New York, second edition, 2009.

[2] P. Rajpurkar, J. Irvin, A. Bagul, D. Ding, T. Duan, H. Mehta, B. Yang, K. Zhu, D. Laird, R. L. Ball, C. Langlotz, K. Shpanskaya, M. P. Lungren, and A. Y. Ng. MURA: Large Dataset for Abnormality Detection in Musculoskeletal Radiographs. *ArXiv e-prints*, December 2017.