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The title of your project

Your Name

October 30, 2021

A DISSERTATION SUBMITTED TO MANCHESTER METROPOLITAN UNIVERSITY  
FOR THE DEGREE OF MASTER OF SCIENCE  
IN THE FACULTY OF SCIENCE AND ENGINEERING



2021

By  
Department of Computing and Mathematics

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# Abstract

The abstract is a formal description of the reason for doing this work, the methods used and results found, and the conclusions drawn. It should not be more than one page in length.

# Declaration

No part of this project has been submitted in support of an application for any other degree or qualification at this or any other institute of learning. Apart from those parts of the project containing citations to the work of others, this project is my own unaided work. This work has been carried out in accordance with the Manchester Metropolitan University research ethics procedures, and has received ethical approval number Your EthOS Number.

Signed:

Date:



# Acknowledgements

The acknowledgements thank the people who helped you do the work. It's traditional to include your supervisor....

# Abbreviations

PCA	Principal Components Analysis
LTA	Three Letter Acronym

# Chapter 1

## First Chapter - probably “Introduction”

### 1.1 Referencing

Whenever you refer to another’s ideas or findings you should include a reference. This will allow the reader to locate and refer to the original source in the event of wishing to find out more information about a particular topic. Please note that references do not allow you to copy sections of work that are not your own.

There are a number of conventions for citing references. You should follow the one referred to as “Harvard”, described in great detail in the University’s guide

<http://libguides.mmu.ac.uk/refguide/mmuharvard>.

The citation should be given name and a year, as in the case this case: frith-2012. This name form is easier to work with than others and gives some visual clue to the reference. When naming authors, use their surname only; do not use their personal names, titles or initials unless it is necessary to distinguish two people with the same surname. If there are two authors of a paper, use both their surnames to identify it ryoo-matthies-2013. For three or more, give the name of the first author and the words “et al” chen-j-k-2015. It is not normal to state where the authors work; this is an attempt by journalists to give credibility their statements and is not appropriate in scientific writing where we are concentrating on the content of the work.

### 1.2 Figures and Tables

A figure caption should appear below each figure, and a table caption should appear below each table. Insert figures and tables after they are cited in the text; make sure that you cite them all. The figure or table, together with the caption (which should give the number of the figure or

table), should be centred and referred to within the text as “Figure 1.1 shows...” or “...as shown in Table 1.1”. There should be a blank line above and below each figure or table.



Figure 1.1: Transform coding.

Number	Measurement
M0	Difference in Y values
M1	Maximum of TI
M2	RMS of TI
M3	Range of TI values
M4	RMS of SI

Table 1.1: Quality measurements used by CQA

If preparing your report on Word, use its caption handling facility to enter figure and table headings. This will allow you to auto-number the headings and also to generate a List of Figures and a List of Tables at the beginning of your report.

### 1.3 Equations

Number equations consecutively within each chapter (e.g. the first equation in Chapter 1 should be numbered (1.1), the first equation in Chapter 2 should be numbered (2.1) etc.). Equation numbers, within parentheses, should be positioned flush right as in (1.1). The equation should be centred and included in the sentence within your text which brackets it. There should be a blank line above and below each equation.

The following is an example of the correct use and formatting of an equation:

Using the root mean square error,

$$RMSE = \sqrt{\frac{1}{N} \sum_{i=1}^N (x_i - m_i)^2}, \quad (1.1)$$

as a measure of accuracy, where  $x_i$  and  $m_i$  are respectively the  $i$ -th elements of the observation and reference,....

## Chapter 2

# Second Chapter - probably “Background”

?

Some text here...

I'm not going to put files for all the chapters you'll need...

## Appendix A

# The second appendix

Include whatever is necessary here - code perhaps?