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**Department of Statistics, University of Auckland**

**Summer Scholarship** **2014-2015**

**Accessible graphics for data on maps**

**Name:** Eric Lim

**Supervisor:** Professor Chris Wild

**Degree:** Masters in Computer Science

# Summer scholarship experience

Please write a brief statement on how the scholarship has furthered your career development and your interest in postgraduate research.

My career objective is to become an independently capable statistician who can design, program and analyse experiments. Personally, I felt that my lack of computer programming skills is an obstacle that must be overcome in order to pursue my lifetime goal. I was lucky to receive the summer scholarship with a topic deeply involved with programming.

During the period of the research, I gained more programming skills than any of my previous years due to two main reasons: (1) extensive amount of practice and (2) conducting the research independently.

As with any other skills, the amount of practice and work spent on a skill usually determines how proficient one can be at that particular skill. I spent most of my hours programming various tasks to be implemented in iNZight, which allowed me to have a lot of practice in coding and polishing my programming skills.

Carrying out an independent research meant that there was much freedom in deciding how the research could be carried out. Although this freedom added a new layer of sophistication for the research, it allowed me to challenge myself to be more decisive and extend my critical thinking skills.

The summer research has provided me with valuable sets of experience that are not only the skills directly related to carrying out research but also benefits that improved my attitude towards research, and communication and management skills. This experience contributed towards my new desire to obtain a PhD.

# Summary

Write your summary here…..

This summary will be a summary of research and its significance, suitable for general readership, e.g. press release. This summary is a general summary for general readers.

# Abstract

Write your technical abstract here…..

An abstract should provide a brief overview of the substance of the report. It should state the topic, outline your approach to the task, give the most important findings of your research and state the main outcomes or conclusions. It should be no more than 250 words.

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# 1.0 Introduction

The introduction provides background information for the reader.

It should include the aim of the research and sufficient background information so the reader understands the questions behind the research, how it relates to other work in the field and why it is worth investigating.

# 2.0 Methods

This section should describe the methods and procedures you used to carry out your research. The description should be clear enough that your work could be replicated by another researcher.

In your methods section, you should use the simple past tense to describe your research. If you use figures or diagrams to help explain what you did, refer to the se using the present tense. (Use subsections if necessary.)

# 3.0 Results

This section presents the results of your research. It should include clearly labeled figures, tables and graphs where appropriate.

Again, use the past tense for results obtained and the present tense to refer to figures, tables and graphs. (Use subsections if necessary.)

# 4.0 Conclusions

This section summarises the key findings and outcomes of your research and discusses their significance. Its content should relate directly to the aims of the project.

# 5.0 References

Check with your supervisor as to what referencing style you should be using.

Appendices

These contain material that is too detailed to include in the main report, such as raw data, computer programs etc. Each appendix must be given a number (or letter) and title. Use these sections only if necessary.