

MSc Project Report 2023-24

Project title

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Submitted in part fulfilment of the requirements for the degree of MSc in Medical Statistics

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Table of contents

1	Introduction	1
2	2 Aims and Objectives	2
3	Materials and Methods	4
4	Results	6
5	5 Discussion	8
References		10
Annendix		11

Abstract

All project reports should include a structured Abstract, not exceeding 300 words, on a single standalone page just after the Contents. This should appear before the main body of the project report (which will start with the introduction).

The Abstract may be structured into four key sections: - Background – summarising the problem being considered. - Methods – describing how the study was performed. - Results – listing the salient results. - Conclusions – stating the principal conclusions.

Acknowledgements

Your project report should include an Acknowledgements section, before the Introduction to your work proper. Detailed guidance on what to put in the Acknowledgements section is given in Section 12.1

1 Introduction

The start of the main content of your project report should be presented as a formal introductory section – which might typically account for between 10% and 30% of the overall word count.

- This should give a detailed background of the work which has led up to the project, including a review of the literature if appropriate.
- The Introduction should finish by describing the gap in knowledge that your aims and objectives will address.

2 Aims and Objectives

You should include a concise statement of your project report's Aims (the overall goal of the work) and Objectives (what you hoped to be achieved during the project work itself). This section should normally consist of just a few lines. If your project has involved primary research, then it will be appropriate to indicate the specific research question or hypothesis addressed.

A token reference to test the *references.bib* file and later References (1) Section: (1)

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3 Materials and Methods

This section should contain a detailed description of all the methods used during the project.

- If your project is a lab-based study, you must also describe the materials used and their origin. However detailed protocols are not usually required.
- If you had practical assistance in the collection of the data (e.g. if you were provided with samples by the project supervisor or if you were part of a team carrying out field work), thenthis must be clearly stated along with the role you played in generating the data specified.

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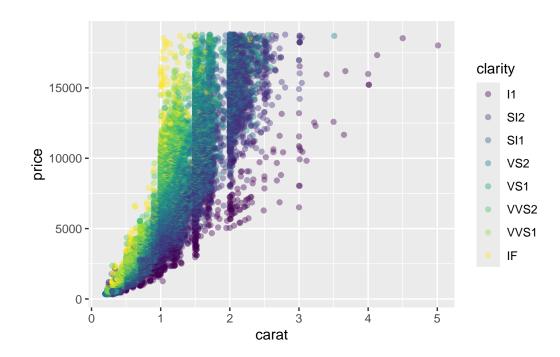
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4 Results

The results (either positive or negative) of the study should be explained in a logical order.

- Tables and figures should be included where appropriate, with explanatory legends.
- In the case of laboratory studies, not every experiment or piece of work undertaken needs to be included.

```
library(ggplot2)
ggplot(diamonds, aes(x = carat, y = price, color=clarity)) +
  geom point(alpha=0.4)
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5 Discussion

Main Report – Discussion

This section should be a summary of what the results show, along with an explanation of their meaning. The results should be analysed in the context of other published work; and the reason(s) for any negative results (or unsuccessful experiments) should be considered.

Main Report – Recommendations

The discussion should end with a paragraph linking the current findings with recommendations for further work. However, it may be appropriate to present the recommendations as a separate section. Your recommendations must follow from your findings and your analysis of them, and not simply be a list of unrelated 'good ideas'.

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References

- 1. Hernán MA. The Hazards of Hazard Ratios. Epidemiology [Internet]. 2010 Jan;21(1):13–
 - 5. Available from: https://journals.lww.com/00001648-201001000-00004

Appendix

Any extra stuff?

Put here....