

# MSc Data Science Thesis

*My Name*

*2019*



# Contents

<b>Acknowledgements</b>	<b>ix</b>
<b>1 Introduction</b>	<b>1</b>
1.1 Background information . . . . .	1
1.2 Literature review . . . . .	1
<b>2 Methods</b>	<b>3</b>
2.1 Important main method . . . . .	3
2.2 Additional method . . . . .	3
<b>3 Results</b>	<b>5</b>
3.1 Main results . . . . .	5
<b>4 Discussion</b>	<b>7</b>
4.1 What I found . . . . .	7
4.2 What it means . . . . .	7
<b>5 References</b>	<b>9</b>
<b>Appendix</b>	<b>11</b>
R code . . . . .	11



# List of Tables

3.1	Parameter estimates from regression of mpg on weight. . . . .	6
-----	---	---



# List of Figures

2.1	An example figure. . . . .	4
2.2	Another example figure. . . . .	4





# Acknowledgements

I would like to thank . . .



# Chapter 1

## Introduction

### 1.1 Background information

- text 1
- text 2
- text 3
- more text
- more text

### 1.2 Literature review

One important development was made by Abrams, Gillies, and Lambert (2005).



# Chapter 2

## Methods

### 2.1 Important main method

Initial modelling was performed using linear regression as defined in equation (2.1).

$$y_i = \beta_0 + \beta_1 x_i + \varepsilon_i, \quad \varepsilon_i \stackrel{iid}{\sim} N(0, \sigma^2) \quad (2.1)$$

### 2.2 Additional method

- text 6
- text 7

An example of a figure is shown in Figure 2.1.

And we can include image files directly, such as Figure 2.2.

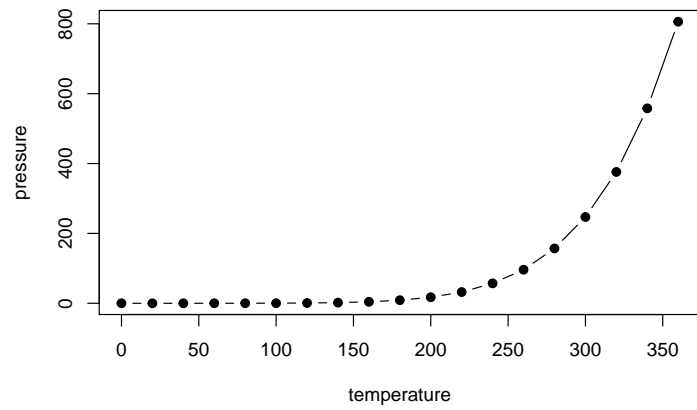


Figure 2.1: An example figure.

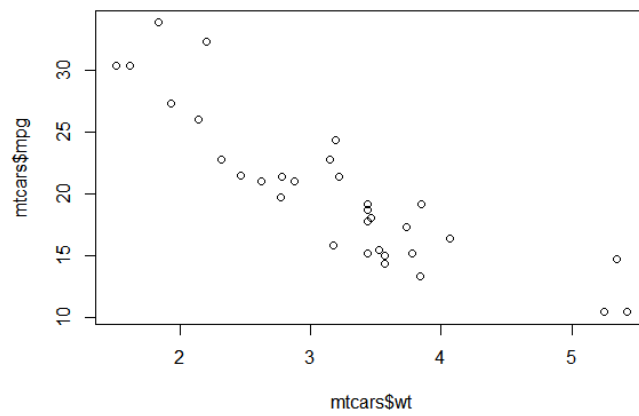


Figure 2.2: Another example figure.

## Chapter 3

# Results

### 3.1 Main results

And here is an example table of regression coefficients in Table 3.1.

Table 3.1: Parameter estimates from regression of mpg on weight.

	Estimate	95% CI lower limit	95% CI upper limit
(Intercept)	37.29	33.61	40.97
wt	-5.34	-6.44	-4.25



## Chapter 4

# Discussion

### 4.1 What I found

- text 1
- text 2
- text 3
- more text
- more text

### 4.2 What it means

- text 6
- text 7



## Chapter 5

## References

Abrams, K. R., C. L. Gillies, and P. C. Lambert. 2005. “Meta-Analysis of Heterogeneously Reported Trials Assessing Change from Baseline.” *Statistics in Medicine* 24: 3823–44.



# Appendix

## R code

```
model <- lm(y ~ x1 + x2, data = df)
summary(model)
```

