

MSc Data Science Thesis

My Name

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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).

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

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.

And here is an example table of regression coefficients in Table 2.1.

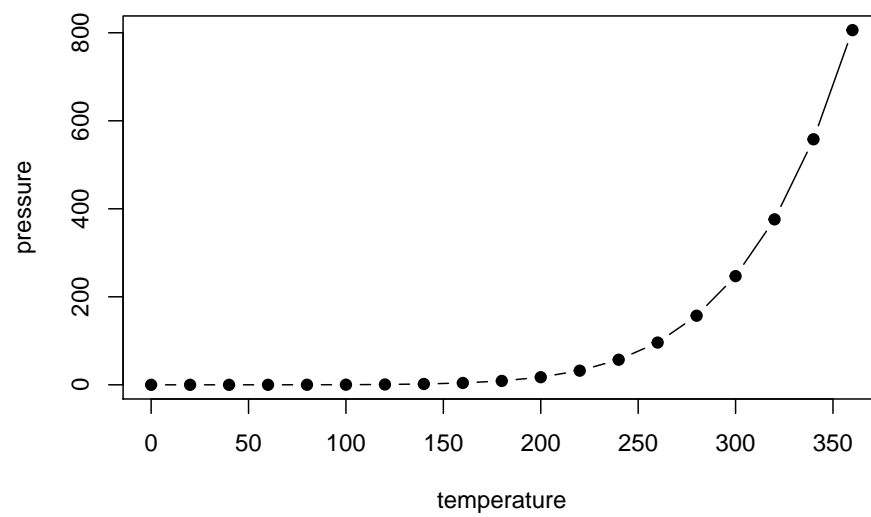


Figure 2.1: An example figure.



Figure 2.2: Another example figure.

Table 2.1: 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 3

Discussion

3.1 What I found

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

3.2 What it means

- text 6
- text 7

Chapter 4

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)
```

