

Thesis Title

Thesis Subtitle

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Dissertation for MSc Data Science



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Abstract

My abstract goes here...

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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

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.

[illegible]

```
plot(pressure, pch = 19, type = "b")
```

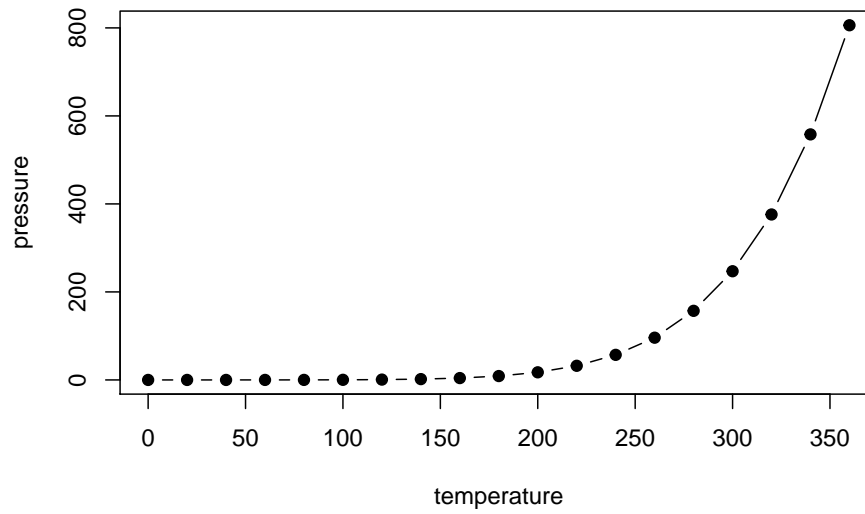


Figure 3.1: An example figure.

And we can include image files directly, such as Figure 3.2.

```
knitr::include_graphics("img/mtcars-scatter.png")
```

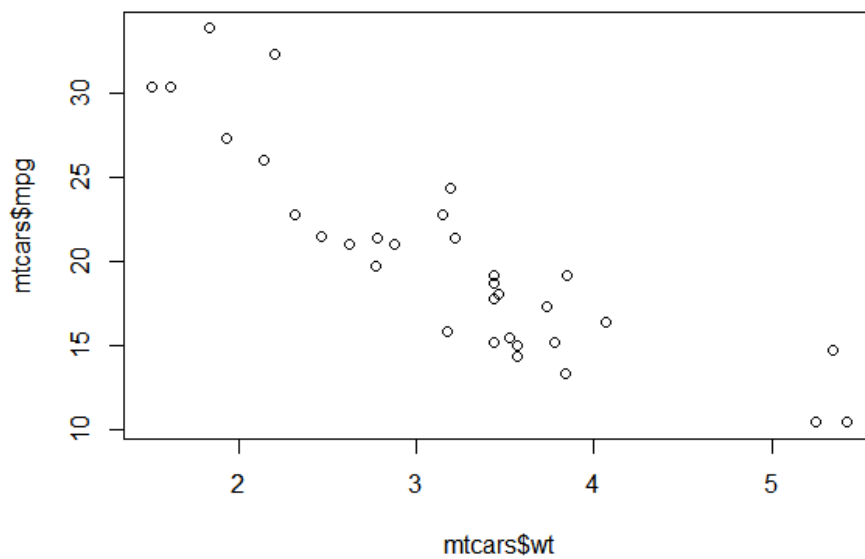


Figure 3.2: Another example figure.

To figure code chunks add the chunk option `fig.pos="H"` to use the LaTeX float package to try and

position the figure where the code appears.

Also, this is how to reference a section, e.g. the Introduction was chapter 1 and the Literature Review was section 1.2.

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 of R code

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