

Title OF Your Thesis

by

Full Name

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DEGREE NAME

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Trent University

Peterborough, Ontario, Canada

Title OF Your Thesis.

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Abstract

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1 Introduction

1.1 Background and brief history of your Thesis

1.2 Thesis Organization

2 Related Work

This chapter will cover previous research that has been done related to this thesis. The first line of every chapter will not have a tab

Every paragraph **after the first** will be followed by a tab.

Lets say you want to create a list. To create a list, do this

1. List item 1
2. List item 2

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

2.1 Common Errors

At first when the doc is rendered, some thing might overflow the page, and things might abide by the margin rules. That's fine, and is a known issue. As you keep writing and keep filling all the sections, things will automatically fall in place!

2.2 Related Work Subheading 2

2.3 Summary

3 Chapter 3 Name

3.1 How to cite and create equations in latex

Next few sentences are to be cited. For that add in the *references.bib* file, add the bibtex version of the citation. Next cite it using the keyword something like this [1].

In line latex variable can be created using a single dollar sign, something like this x . However, to create a standalone equation, use 2 dollar signs. They can be done something like this

$$x = y + z$$

The issue with the above that the not numbered. To resolve that issue, follow the equation with a id-tag something like this

$$x = y + z \tag{1}$$

By doing so, the numbered and can be referenced as Equation 1.

To represent a vector use the `\textbf` command. It can be used both within inline and standalone equation, something like this \mathbf{x} , and in standalone, something like this

$$\mathbf{x} = y + z$$

At times you might want to create multiple lines of equation within a single block. It can be done this way using latex

$$x = y + z \tag{2}$$

$$z = q + t \tag{3}$$

It cannot be referenced directly using `@eq-multi_line_equation`, so to overcome that issue, give each equation a `\label`, as such

$$x = y + z \tag{4}$$

$$z = q + t \tag{5}$$

and reference them using the `\ref` command, something like this Equation 4 and Equation 5.

3.2 Chapter 3 Subheading 2

3.3 Chapter 3 Subheading 3

3.3.1 How to cross-reference something

So lets say you wrote something in another chapter want and add a reference to that here. That can be done this way. Write the word **Section**, followed by the number of section. Something like this Section 3. By clicking the section number in the pdf, the user will be taken to that section.

3.3.2 Chapter 3 Subheading 3 - Subhead 2

3.3.3 Chapter 3 Subheading 3 - Subhead 3

3.3.4 Chapter 3 Subheading 3 - Subhead 4

3.3.5 Results of Chapter 3 Subheading 3

After running a bunch of experiment you would like to show the results in the form of a table as listed in Table 1.

Table 1: Caption of the table

Column 1	Column 2
Item 1	0.00
Item 2	1.00
Item 3	66.30
Item 4	100
Item 5	-100.230

3.4 Chapter 3 Subheading 4

3.4.1 Chapter 3 Subheading 4 - Subhead 1

Chapter 3 Subheading 4 - Subhead 1 - Subhead 1

Chapter 3 Subheading 4 - Subhead 1 - Subhead 2

3.4.2 Chapter 3 Subheading 4 - Subhead 2

Chapter 3 Subheading 4 - Subhead 2 - Subhead 1

3.4.3 Chapter 3 Subheading 4 - Subhead 3

3.4.4 Results for Chapter 3 Subheading 4

3.5 Chapter 3 Subheading 5

3.5.1 Chapter 3 Subheading 5 - Subhead 1

3.5.2 Chapter 3 Subheading 5 - Subhead 2

3.5.3 Results for Chapter 3 Subheading 5

Another type of Table 2.

3.6 Summary

Table 2: Another Table Caption

Column 1	Column 2	Column 3
Item 1	Thing 1	1, 2, 2
	Thing 2	3 , 2, 1
	Thing 3	2 , 3, 4
	Thing 4	3 , 4, 5
Item 1	Thing 1	100 , 200, 300
Item 3	Thing 1	50, 100, 200, 300
	Thing 2	None, 5, 10, 15 , 20
	Thing 3	2 , 3, 5, 6
	Thing 4	1 , 2, 3

4 Chapter 4 Name

4.1 How to create plots

To create a plot, I would suggest using the ggplot library in R. A plot can be created using like this

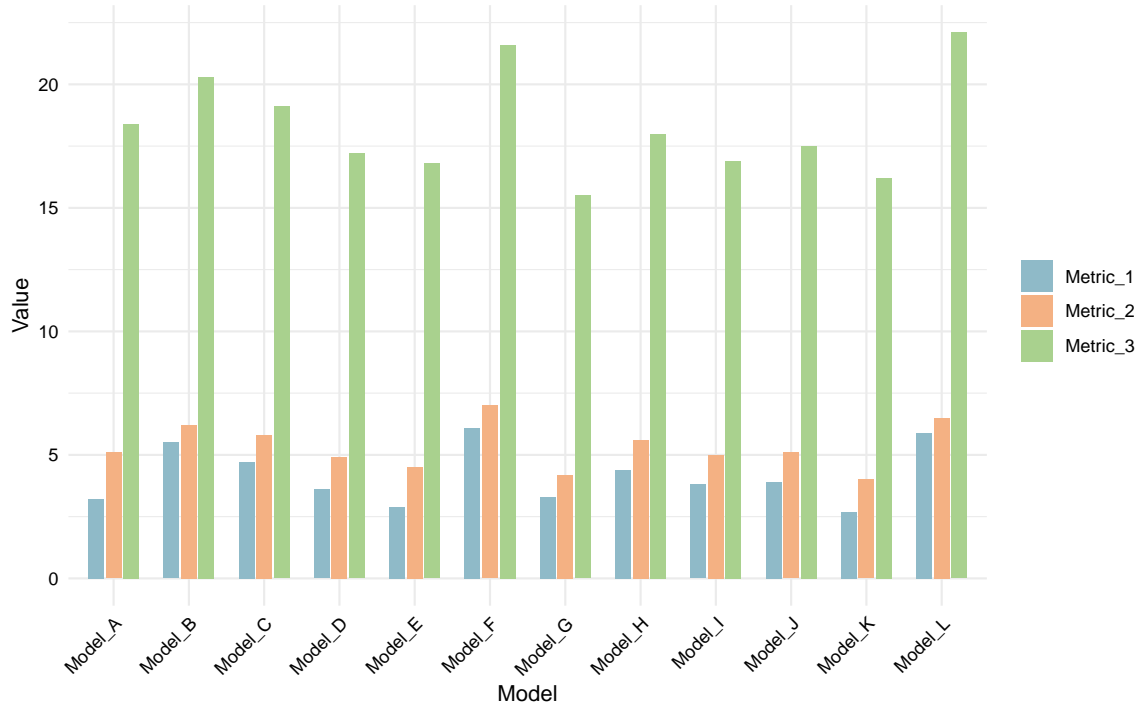


Figure 1: Figure Caption

The plots can be referenced as Figure 1.

4.1.1 Chapter 4 Subheading 1 Subhead 1

Chapter 4 Subheading 1 Subhead 1 Sub 1

Chapter 4 Subheading 1 Subhead 1 Sub 2

Chapter 4 Subheading 1 Subhead 1 Sub 3

Chapter 4 Subheading 1 Subhead 1 Sub 4

4.1.2 Chapter 4 Subheading 1 Subhead 2

Chapter 4 Subheading 1 Subhead 2 Sub 1

Chapter 4 Subheading 1 Subhead 2 Sub 2

Chapter 4 Subheading 1 Subhead 2 Sub 3

4.1.3 Chapter 4 Subheading 1 Subhead 3

Chapter 4 Subheading 1 Subhead 3 Sub 1

Chapter 4 Subheading 1 Subhead 3 Sub 2

4.1.4 Results of Chapter 4 Subheading 1

4.2 Chapter 4 Subheading 2

4.2.1 How to add an image

Below, a way to add images and a way to provide captions is show. The image can be referenced something like this Figure 2.



Figure 2: A figure of a different computer devices

4.2.2 Chapter 4 Subheading 2 Subhead 2

4.2.3 Chapter 4 Subheading 2 Subhead 3

4.2.4 Results of Chapter 4 Subheading 2

4.3 Chapter 4 Subheading 3

4.3.1 Chapter 4 Subheading 3 Subhead 1

4.3.2 Chapter 4 Subheading 3 Subhead 2

4.4 Chapter 4 Subheading 4

4.5 Summary

5 Conclusion

5.1 Contribution

5.2 Future Works

Bibliography

- [1] Example, “I am a human.” 2025.