

**SUPER LONG AND CRYPTIC TITLE EXPLAINING WHY YOU HAVE HAD
NO LIFE FOR THE PAST N -YEARS**

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a dissertation submitted to the Faculty of Graduate Studies
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Examination Committee Members:

1. First Examiner
2. Second Examiner
3. Third Examiner
4. Fourth Examiner
5. Fifth Examiner
6. Sixth Examiner

Abstract

This is the abstract. It's probably the only part people will actually read.

Acknowledgements

This is where your acknowledgements go, because it's important to be nice. Usually thanking people like your supervisor, family, and those who read through your work is a good idea.

Contents

Abstract	iv
Acknowledgements	v
Table of Contents	vi
1 Background Chapter	1
1.1 A section	1
1.1.1 A subsection	1
1.2 Section With R Code	2
2 New Material Chapter	4
Bibliography	6

1 Background Chapter

This is chapter 1, which cites Chalmers (2012).

1.1 A section

Some text in a section new text.

1.1.1 A subsection

Some test in a subsection (probably as low as you need to go).

Equation example:

$$P(1|\theta, \phi) = \frac{1}{1 + \exp[-1.702 \cdot (\alpha_1 \theta_1 + \alpha_2 \theta_2 + \beta)]} \quad (1.1)$$

As can be seen in (1.1)...blah blah blah.

Alternatively, one can use L_YX macros to render equations with shorthand notation (define it in one location, but reference it globally). The below equation is generated

simply by opening a math environment and typing `\twoPL`.

$$\frac{\exp(\alpha + \beta\theta)}{1 + \exp(\alpha + \beta\theta)}$$

This correctly renders the equation in LYX , and puts the macro in with the standard $\text{L}\text{A}\text{T}\text{E}\text{X}$ format (view the source code panel with **View** -> **Source** **Pane**). The macro itself was defined in an external file called `custom_macros`, and allows equations and such to be reused by other documents in the future. No more copy-and-pasting!

1.2 Section With R Code

It is also possible to include R code directly by using the `knitr` module, and switching to LYX 's ERT mode ("Evil Red Text" for raw $\text{L}\text{A}\text{T}\text{E}\text{X}$ code). For example:

```
x <- rnorm(100)

head(x)

## [1] 0.7086 0.7934 0.7509 -0.9673 -1.3561 1.0229

hist(x)
```

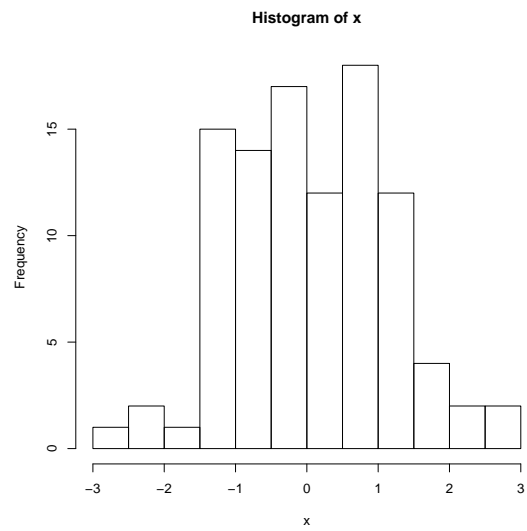



Figure 1.1: My histogram

2 New Material Chapter

This is chapter 2, which also references Equation 1.1. References carry across documents because the master file (*york-thesis.lyx*) has two children: *chapter-1.lyx* and *chapter-2.lyx*.

Include figures and tables by placing them in “floating environments”. So for a figure, use **Insert -> Float -> Figure**, and then inside the generated box point to your external figure files with **Insert -> Graphics**. Labels are added with **Insert -> Label** and are references with **Insert -> Cross-Reference**.



Figure 2.1: My figure title

Figure 2.1 is an image of York University’s logo. Same thing is done for tables; use `Insert -> Float -> Table`, and then inside the generated box point to your external figure files with `Insert -> Table`.

a	b	c
1	2	3
4	5	6

Table 2.1: My table

Bibliography

Chalmers, R. P. (2012). York thesis in LyX. *Journal of Awesome*, 1, 1–1.