<Title of the Work>

<Subtitle of the Work>

Diploma Thesis

For attainment of the academic degree of

Dipl.-ing.für technisch-wissenschaftliche Berufe

in the Masters Course Digital Media Technology at St. Pölten
University of Applied Sciences, **specialized area <Specialization>**

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Declaration

- The attached research paper is my own, original work undertaken in partial fulfillment of my degree.

- I have made no use of sources, materials or assistance other than those which habe been openly and fully acknowledged in the text. If any part of another person's work has been quoted, this either appears in inverted commas or (if beyond a few lines) is indented.

- Any direct quotation or source of ideas has been identified in the text by author, date, and page number(s) immediately after such an item, and full details are provided in a reference list at the end of the text.

- I understand that any breach of the fair practice regulations may result in a mark of zero for this research paper and that it could also involve other repercussions.

Date: _____ Signature: _____

Abstract

Introduction: Warum behandeln wir das Thema

Purpose: Welches Problem soll gelöst werden

Method: Wie wurde die Problemlösung gemacht

Product: Was war das Ergebnis

Conclusion: Was sind die Folgerungen / Schlussfolgerungen aus den gewonnen Erkenntnissen

keine Referenzen und Zitate

Kurzfassung

Das Abstract auf deutsch.

Contents

1 Example

!!! Please delete this chapter after finishing your work !!!

1.1 Settings

To add your name and the title of your work, please use the "Settings.tex" file! Additionally, switch there between German and English version.

1.2 How to Make Sections and Subsections

Use section and subsection commands to organize your document. LATEX handles all the formatting and numbering automatically. Use ref and label commands for cross-references.

1.2.1 How to Make Lists

You can make lists with automatic numbering ...

1. Like this,

2. and like this.

... or bullet points ...

- Like this,

- and like this.

... or with words and descriptions ...

Word Definition

Concept Explanation

Idea Text

1.3 Section

You have to write text between each headline.

1.4 Citation

This part describes the 3 types of citations which are possible:

1.5 Direct Citation

The maximum for a direct citation is a $1/2$ page.

> Overview first, zoom and filter, then details-on-demand (Shneiderman, 1996)

1.6 Floating Text Citation

Shneiderman (1996) defined the Visual Information Seeking Mantra as "Overview first, zoom and filter, then details-on-demand". (Kahneman, 2012)

1.7 Indirect Citation

Some text which summarizes a paper or a book chapter. This could take several lines (Shneiderman, 1996).

1.8 Figures

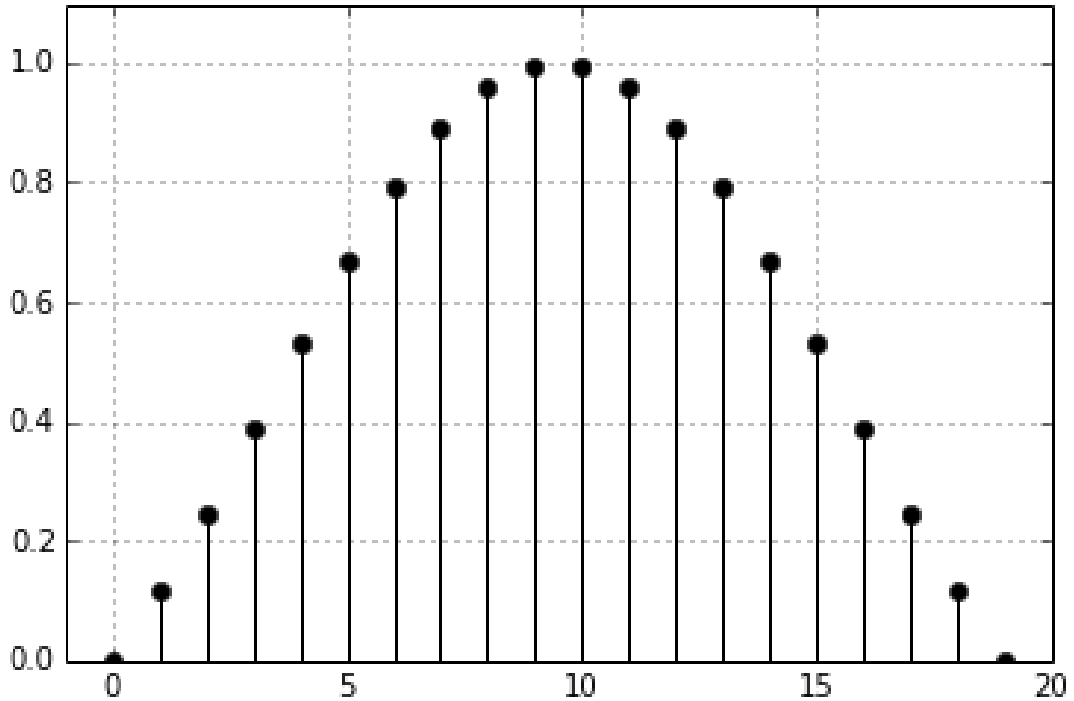To place a figure use the following code example

Figure 1.1. Interactive data exploration with multiple devices.

Refer to a figure in the following forms:

If you take a look at Figure 1.1 ...

... text text (see Figure 1.1) ...

1.9 Listings

Listing 1.1. A bit of source code.

```
1  if( true == questions )
2  {
3      std::cout << "Let␣me␣google␣it␣for␣you";
4  }
5  else
6  {
7      std::cout << "Great";
8  }
```

Now lets take a look at Listing 1.1.

1.10 Table

Table 1.1. My caption with a very useful description. die kann auch etwas länger sein und über mehrere Zeilen gehen und so weiter.

Item		
Animal	Description	Price ($)
Gnat	per gram	13.65
	each	0.01
Gnu	stuffed	92.50
Emu	stuffed	33.33
Armadillo	frozen	8.99

For the fast generation of tables from Excel use `http://www.heise.de/download/excel2latex.html`

1.11 Equations

LaTeX is great at typesetting equations. Let $X_1, X_2, \ldots, X_n$ be a sequence of independent and identically distributed random variables with $\mathsf{E}[X_i] = \mu$ and $\mathsf{Var}[X_i] = \sigma^2 < \infty$, and let

$$S_n = \frac{X_1 + X_2 + \cdots + X_n}{n}$$

This was a equation without a label.

$$S_n = \frac{1}{n} \sum_i^n X_i \tag{1.1}$$

This is the reference to equation 1.1.

denote their mean. Then as n approaches infinity, the random variables $\sqrt{n}(S_n - \mu)$ converge in distribution to a normal $\mathcal{N}(0, \sigma^2)$.

2 Introduction

Führt in die Thematik, Problem- und Aufgabenstellung ein

Vorstellung der Forschungsfrage

Enthält Grundlagenwissen

Gibt Überblick über die Arbeit

Darstellung der Related Work - sofern bereits ähnliche Arbeiten zu diesem Themengebiet existieren; In aller Kürze: Was gibt es? Was sind die Ergebnisse? Ist etwas offen geblieben? Fehlt etwas?

3 Method

Wie wurde Literatur gefunden?

Welche Journals, Conferences, Libraries, Search engines... wurden genutzt?

Nach welchen Keywords wurde gesucht, wie viele Treffer gab es?

Nach welchen Kriterien wurde selektiert und warum?

4 Results

Presenting found literature in a useful way

4.1 First Section

Ich bin Text, Text, Text[1]

4.1.1 First Subsection

---

[1] `http://mfg.fhstp.ac.at`

5 Discussion

Comparison of presented technologies/methods/projects

Kritische Diskussion / Vergleich der Ansätze

Welche Methoden werden zumeist genutzt, warum?

Überblick / Zusammenfassung der gefundenen Literatur in einer sinnvollen Kategorisierung
/ Charakterisierung

6 Conclusion

Was kann man daraus lernen?

Was fehlt?

Ideen für zukünftige Forschung

Bibliography

Kahneman, D. (2012). *Thinking, fast and slow*. Penguin Books, London. OCLC: 798805166.

Shneiderman, B. (1996). The eyes have it: a task by data type taxonomy for information visualizations. In *IEEE Symposium on Visual Languages, 1996. Proceedings*, pages 336–343.

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Listings

Appendices

A Appendix

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B Appendix

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