

Bauhaus-Universität Weimar  
Fakultät Medien  
Studiengang Computer Science for Digital Media

# The Title of the Thesis

## Masterarbeit

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# Erklärung

Hiermit versichere ich, dass ich diese Arbeit selbstständig verfasst und keine anderen als die angegebenen Quellen und Hilfsmittel verwendet habe.

Where I Live, 31. Februar 2022

.....  
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## **Zusammenfassung**

This is the L<sup>A</sup>T<sub>E</sub>X template for Bachelor and Master theses at Webis. This template contains several hints and conventions on how to structure a thesis, how to cite the work of others, and how to display your results besides plain text.

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# Kapitel 1

## The Structure of a Thesis in Computer Science

A thesis in computer science follows the structure of academic writing and consists of several chapters, each chapter contains several sections, and each section can contain several subsections. Sections and subsections contain several paragraphs of text as well as, for example, lists, tables, and figures. It is recommended to start your thesis by studying the scientific toolbox <sup>1</sup>.

### 1.1 References

Elements like sections, figures, or tables can be referenced (see Section 1.1) by assigning a `\label{label-name}` after the `\section` command or within a `\begin{...}` environment and referencing the label with `\ref{label-name}`.

### 1.2 Links and Citations

In scientific work, all external sources must be cited or linked.

**Scientific Articles** Papers, Textbooks, theses, or other scientific work should always be cited as `Article`, `InProceedings`, or `Book` via bibtex. To cite a work, add a corresponding bibtex-entry to your `literature.bib` and cite this entry with `\cite{bib-key}: Manning and Schütze [2001]`, `\citep{bib-key}: [Manning and Schütze, 2001]`, `\citet{bib-key}: Manning and Schütze [2001]`, or `\citeauthor{bib-key}: Manning and Schütze`.

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<sup>1</sup>Find our notes on scientific work at <https://webis.de/lecturenotes.html#part-scientific-toolbox>

**Non-scientific Articles** Journalistic articles, books, blog-posts, and various web sources with a known author and title should generally be cited as a **Article**, **Book**, or **Misc** bibtex-entry. For web-sources, provide a url and a date of last access.

**Other Sources** Other sources, like images, illustrations, libraries, or source code can be cited by providing a link and a date of last access in a footnote on the page.

# Kapitel 2

## How to Display Results

Results should be displayed primarily in tables (see Table 2.1), figures (see Figure 2.1), enumerations, and itemizations.

### 2.1 Figures and Tables

To demonstrate the usage of figures and tables, here are some examples like Figure 2.1 and some table with some numbers (Table 2.1) that for some reason deserves to be on an extra page.

The Table 2.2 and Table 2.3 show how every figure and table should be referenced in the text.

### 2.2 Equations and Code Listings

Equations should be contained within an `\begin{equation}` environment, as with Equation 2.1. Formulas can be set inline with a `$` math environment `$`, so `$ f(x)=\frac{P(x)}{Q(x)} $` produces  $f(x) = \frac{P(x)}{Q(x)}$ .

$$f(x) = \frac{P(x)}{Q(x)} \quad \text{and} \quad f(x) = \frac{P(x)}{Q(x)} \quad (2.1)$$

Code or pseudocode can be included within listings<sup>1</sup>.

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<sup>1</sup>Code listings are explained in detail in the Overleaf `LATEX` guide: [https://www.overleaf.com/learn/latex/Code\\_listing](https://www.overleaf.com/learn/latex/Code_listing)

A

**Abbildung 2.1:** The first letter in the Roman alphabet.

**Tabelle 2.1:** Tables have their captions above, figures below.

Some numbers			
	1999	2000	2001
Distance (km)	23.0	18.0	42.0
Awesomeness (aws)	3.2	8.1	2.4

**Tabelle 2.2:** A matrix showing which attributes an entity has (✓), partially has ((✓)), or does not have (✗).

Entities	Class 1		Class 2	
	Attribute1	Attribute2	Attribute3	Attribute4
Entity1	✓	✗	(✓)	✗
Entity2	✗	(✓)	✓	(✓)
Entity3	(✓)	✓	✗	✓
Entity4	✓	✗	(✓)	✗
Entity5	✗	(✓)	✓	(✓)

**Tabelle 2.3:** A heatmap.

Entities	Attribute1	Attribute2	Attribute3	Attribute4
Entity1	0.72	0.05	0.20	0.20
Entity2	1.00	0.11	0.12	0.91
Entity3	0.63	0.36	0.68	0.27
Entity4	0.69	0.48	0.28	0.59
Entity5	0.12	0.69	0.82	0.42
Entity6	0.23	0.07	0.45	0.85



# Anhang A

## My First Appendix

This was just missing.

# Literaturverzeichnis

Christopher D. Manning and Hinrich Schütze. *Foundations of Statistical Natural Language Processing*. MIT Press, 2001. ISBN 978-0-262-13360-9.