BHT Berliner Hochschule für Technik

My Fancy Thesis

Master Thesis of

Firstname Lastname

Matriculation Number: xxxxxx

Berlin University of Applied Sciences and Technology (BHT)
Fachbereich VI - Informatik und Medien
Cognitive Algorithms Lab (Calgo Lab)

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Abstract

Lorem Ipsum ....

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List of Abbreviations

CNN	Convolutional Neural Network
ML	Machine Learning
NN	Neural Network

1. Introduction

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Paragraph

1.1. Motivation

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1.2. Aim of Research and Methodology Outline

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Methodology outline Maybe reference to Section 2

1.3. Thesis Structure

Structure of your thesis ..

2. Methodology

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2.1. Hypothesis

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2.2. Some Examples

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2.2.1. Abbreviations

Abbreviations can be useful and are automatically handled, see: Machine Learning (ML), ML.

One can also define plurals: Convolutional Neural Networks (CNNs), CNN, CNNs.

2.2.2. Figure

Figure 2.1 visualizes how CNNs work.

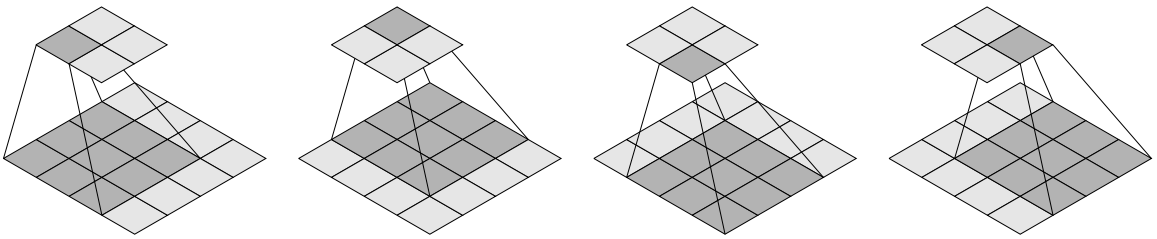

Figure 2.1.: CNN. Some more description.

2.2.3. Table

Table 2.1 has two columns and three rows.

Column 1	Column 2
1	A
2	B
3	C

Table 2.1.: Table. Detailed description.

2.2.4. Math

Equations 2.1 and 2.2 are important.

$$precision = \frac{TP}{TP + FP} \tag{2.1}$$

$$recall = \frac{TP}{TP + FN} \tag{2.2}$$

2.2.5. Citation

Some references about data imputation [2], the GreenDB [3, 4, 1], or how to scale Neural Networks (NNs) [5].

2.2.6. Footnote

Footnotes can be used to add additional information[1] or links[2].

2.3. Summary

It can be helpful to summarize what is written here.

[1] Additional information about XYZ.
[2] `calgo-lab.de`

3. Conclusion and Future Work

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3.1. Conclusion

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Limitations Lorem Ipsum

3.2. Future Work

Paragraph 1 Lorem Ipsum

Paragraph 2 Lorem Ipsum

Paragraph ... Lorem Ipsum

Bibliography

[1] Maike Gossen, Sebastian Jäger, Marja Lena Hoffmann, Felix Bießmann, Ruben Korenke, and Tilman Santarius. "Nudging Sustainable Consumption: A Large-Scale Data Analysis of Sustainability Labels for Fashion in German Online Retail". en. In: *Frontiers in Sustainability* 3 (June 2022), p. 922984. ISSN: 2673-4524. DOI: 10.3389/frsus.2022.922984. URL: https://www.frontiersin.org/articles/10.3389/frsus.2022.922984/full (visited on 06/20/2022).

[2] Sebastian Jäger, Arndt Allhorn, and Felix Bießmann. "A Benchmark for Data Imputation Methods". en. In: *Frontiers in Big Data* 4 (July 2021). ISSN: 2624-909X. DOI: 10.3389/fdata.2021.693674. URL: https://www.frontiersin.org/articles/10.3389/fdata.2021.693674/full (visited on 05/16/2022).

[3] Sebastian Jäger, Alexander Flick, Jessica Adriana Sanchez Garcia, Kaspar von den Driesch, Karl Brendel, and Felix Biessmann. *GreenDB - A Dataset and Benchmark for Extraction of Sustainability Information of Consumer Goods*. arXiv:2207.10733 [cs]. Aug. 2022. DOI: 10.48550/arXiv.2207.10733. URL: http://arxiv.org/abs/2207.10733 (visited on 09/07/2022).

[4] Sebastian Jäger, Jessica Greene, Max Jakob, Ruben Korenke, Tilman Santarius, and Felix Biessmann. *GreenDB: Toward a Product-by-Product Sustainability Database*. Tech. rep. arXiv:2205.02908. arXiv:2205.02908 [cs] type: article. arXiv, May 2022. DOI: 10.48550/arXiv.2205.02908. URL: http://arxiv.org/abs/2205.02908 (visited on 05/23/2022).

[5] Sebastian Jäger, Hans-Peter Zorn, Stefan Igel, and Christian Zirpins. "Parallelized Training of Deep NN: Comparison of Current Concepts and Frameworks". In: *Proceedings of the Second Workshop on Distributed Infrastructures for Deep Learning*. DIDL '18. New York, NY, USA: Association for Computing Machinery, Dec. 2018, pp. 15–20. ISBN: 978-1-4503-6119-4. DOI: 10.1145/3286490.3286561. URL: https://doi.org/10.1145/3286490.3286561 (visited on 11/04/2022).

A. Results

Here, it could make sense to add all experiment results or pseudo code.

A.1. Experiment 1

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