htw.

Hochschule für Technik und Wirtschaft Berlin

University of Applied Sciences

One
Two
Three

Master's Thesis

Study Programme

Business Computing

Faculty 4

Submitted by

Student Name

Date

Berlin, November 22, 2025

1st Supervisor: Prof. Dr. First

2nd Supervisor: Prof. Dr. Second

Dedication Text

Abstract

This abstract will be written once the thesis is finished.   ***Keywords—*** Conversational, Analytics, BI, LLMs, HIL, RLHF

Zusammenfassung

Deutsche Zusammenfassung.   ***Keywords—*** Conversational, Analytics, BI, LLMs, HIL, RLHF

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List of AI Models and Tools

AI Tool	Section	Purpose of Use
DeepL	Blocking Notice	Translation of the blocking notice (Sperrvermerk) into English.
DeepL	Declaration of Authorship	Translation of the declaration of authorship (Eigenständigkeitserklärung) into English.

Abbreviations

LLM Large Language Model. 1, 2

1. Basics

Line breaks with \\
bold text with \textbf (Ctrl+B)
italic text with \textit (Ctrl+I)

New paragraph with \par

\chapter{}, \section{}, \subsection{}, \subsubsection{} creates sections, chapters

1.1. Section

1.1.1. Subsection

Sub-subsection

1.2. References

1.2.1. In-text

\cite[]{Name of the source in bibliography}

LLMs have been heavily researched for the past 10 years (Sun et al. 2025)

1.2.2. Referencing Title or Author

\citeauthor or \citetitle

Though there is a study published by Sun et al. which examines how LLMs work: "A Survey on Large Language Model-based Agents for Statistics and Data Science".

1.3. Lists

enumerate or itemize

1. One

2. Two

3. Three

- Bullet point

- Bullet point

- Bullet point

1.4. Footnotes

Only songs with the biggest appeal to the public will be analysed. The song selection is based on the *Billboard Top 100 Weekly Charts*[1] which feature the most played songs during one week.

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1 `https://www.billboard.com/charts/hot-100`

```
1   #example code listing
2   print("Hello World")
```

Code 1.1: Hello World

1.5. Images

With figure. When compiling, images are automatically moved to the best position, so they do not always appear directly below the text. This can be prevented with [h] after figure.

Figure 1.1.: HTW Logo

1.6. Code

Bibliography

[1] M. Sun et al.: "A Survey on Large Language Model-based Agents for Statistics and Data Science". In: *The American Statistician* 0.0 (), pp. 1–14. ISSN: 0003-1305. DOI: 10.1080/00031305.2025.2561140. (Visited on 10/30/2025).

Declaration of Authorship

Written assurance § 23(5) sentence 1 RStPO:

I hereby declare that I have written this Master's thesis independently and without outside help, and have used no other sources than those listed in the bibliography. All passages taken verbatim from other authors as well as explanations in my work that closely follow the trains of thought of other authors are specially marked.

This work has not been submitted in the same or a similar form to any other examination authority and has not been published.

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Place, Date, Signature

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Appendix

A. Supplementary Figures and Tables

B. Source Code

B.1. GitHub Repository

C. Data

D. Questionnaires