



ALBERT-LUDWIGS-UNIVERSITÄT FREIBURG IM BREISGAU

**Examination Board**  
**Master of Science in Economics Program**

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**Topic**

**Master Thesis**

**Prüfer**

Prof. Dr. Dirk Neumann

**Verfasser**

John Doe

Matrikelnummer: 1234567

Geburtsort: birthplace, country of birth

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# Contents

1	Introduction	3
1.1	Subsection . . . . .	3
	List of Figures	i
	List of Tables	ii

# Abstract

The positive or negative sentiment of written information is always expressed by different types of keywords, which are linked with a positive or negative polarity. According to this, writers often invert the virtually meaning of these keywords by using negation-keywords like “not” or “no”. These negating words influence other words in a sentence, but only in a certain scope. This paper tests various scopes of negations in financial news. In order to estimate the appropriateness of different scopes, we compare our results, based on counting positive and negative keywords in a message, with the stockprice change of companies.

# Summary

Zusätzlich eine Zusammenfassung in deutscher Sprache.

# 1 Introduction

This is a sample reference [1]. Table 1.1 shows an exemplary table and Figure 1.1 shows an exemplary figure.

Recall	Precision	$F_1$	Accuracy
0	1	0	0.7956
0.7814	0.2851	0.4178	0.5549
1	0.2044	0.3394	0.2044
0.7327	0.1808	0.2901	0.2669

Table 1.1: Some exemplary results.

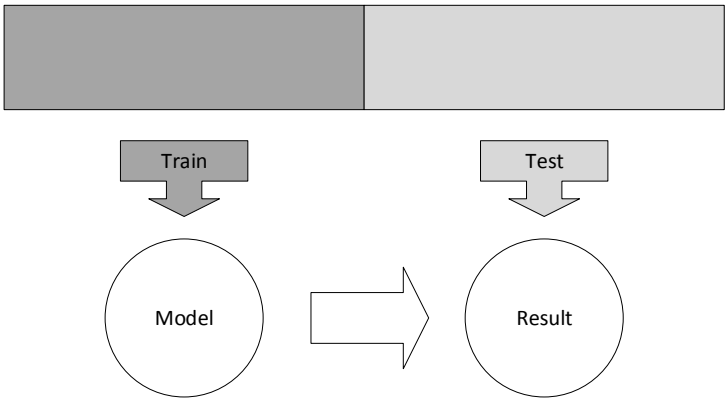


Figure 1.1: Schematic illustration of hold-out validation.

## 1.1 Subsection

This is a sample subsection...

# Bibliography

- [1] L. E. Baum and G. R. Sell. *Growth Transformations for Functions on Manifolds*. In: *Pacific J. Math*, Vol. 27, No. 2 (1968), pp. 211–227.

# List of Figures

1.1	Schematic illustration of hold-out validation. . . . .	3
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# List of Tables

1.1	Some exemplary results. . . . .	3
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# Declaration

I certify that the thesis at hand was made without unauthorized help and that I only used the tools denoted. All statements literally or logically taken from publications are marked as quotes. The submitted thesis was neither complete nor in essential parts subject of another examination procedure. The electronic version of the submitted thesis is consistent with the printed paper copies regarding content and formatting.

Freiburg, 17.06.2014

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John Doe