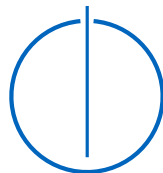# SCHOOL OF COMPUTATION, INFORMATION AND TECHNOLOGY — INFORMATICS

TECHNISCHE UNIVERSITÄT MÜNCHEN

Master's Thesis in Informatics

Influence of Noise in Quantum Machine Learning

Erick Ruben Quintanar Salas

TUM

SCHOOL OF COMPUTATION, INFORMATION AND TECHNOLOGY — INFORMATICS

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Master's Thesis in Informatics

Influence of Noise in Quantum Machine Learning

Einfluss von Rauschen in Quantenmaschinen Lernen

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Submission Date:	Submission date

I confirm that this master's thesis is my own work and I have documented all sources and material used.

Munich, Submission date   Erick Ruben Quintanar Salas

Acknowledgments

Abstract

Contents

1 Style

1.1 Section

Citation test [1]. Acronyms must be added in `main.tex` and are referenced using macros. The first occurrence is automatically replaced with the long version of the acronym, while all subsequent usages use the abbreviation.

E.g. `\ac{TUM}`, `\ac{TUM}` $\Rightarrow$ Technical University of Munich (TUM), TUM

For more details, see the documentation of the `acronym` package[1].

1.1.1 Subsection

See Table 1.1, Figure 1.1, Figure 1.2, Figure 1.3.

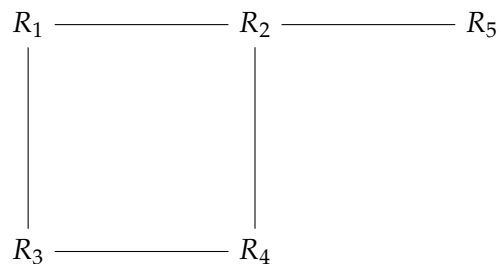Table 1.1: An example for a simple table.

A	B	C	D
1	2	1	2
2	3	2	3

R_1 ——————— R_2 ——————— R_5

R_3 ——————— R_4

Figure 1.1: An example for a simple drawing.

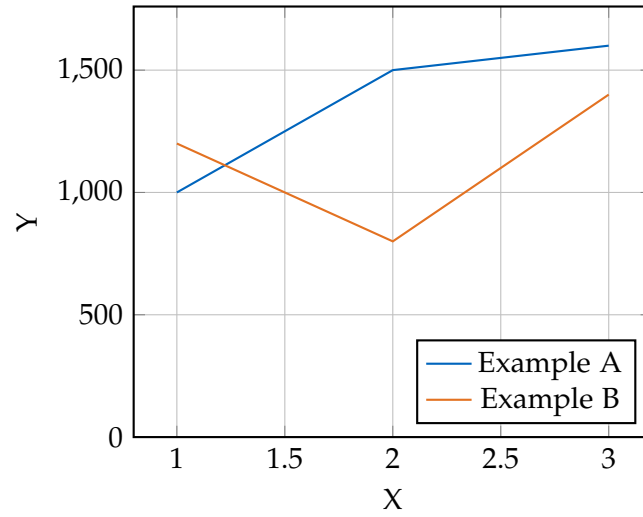[1]`https://ctan.org/pkg/acronym`

Figure 1.2: An example for a simple plot.

```
SELECT * FROM tbl WHERE tbl.str = "str"
```

Figure 1.3: An example for a source code listing.

2 Introduction

2.1 Section

Something starts here

Abbreviations

TUM Technical University of Munich

List of Figures

List of Tables

Bibliography

[1] L. Lamport. *LaTeX : A Documentation Preparation System User's Guide and Reference Manual.* Addison-Wesley Professional, 1994.