



UNIVERSITÄT  
BAYREUTH

– P&E Master's Programme –  
Chair of Philosophy, Computer  
Science & Artificial Intelligence

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# Automating the Modelling of Transformative Artificial Intelligence Risks

*“An Epistemic Framework for Leveraging Frontier AI Systems to Upscale Conditional  
Policy Assessments in Bayesian Networks on a Narrow Path towards Existential Safety”*

A thesis submitted at the Department of Philosophy  
for the degree of *Master of Arts in Philosophy & Economics*

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**Author:**

Valentin Jakob Meyer  
Valentin.meyer@uni-bayreuth.de  
*Matriculation Number:* 1828610  
*Tel.:* +49 (1573) 4512494  
Pielmühler Straße 15  
52066 Lappersdorf

**Supervisor:**

Dr. Timo Speith

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# Preface

This is a Quarto book.

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# Abstract

## Outline(s): Table of Contents

# Frontmatter

# Prefatory Apparatus: Illustrations and Terminology — Quick References

## List of Tables

Table 1: Table name

Table 2: Table name

Table 3: Table name

## List of Graphics & Figures

## List of Abbreviations

esp. especially

f., ff. following

incl. including

p., pp. page(s)

MAD Mutually Assured Destruction

## Glossary

# Chapter 1

## Introduction

### 1.1 Introduction

10% of Grade:

- introduces and motivates the core question or problem
- provides context for discussion (places issue within a larger debate or sphere of relevance)
- states precise thesis or position the author will argue for
- provides roadmap indicating structure and key content points of the essay

~ 14% of text ~ 4200 words

- introduces and motivates the core question or problem

### 1.2 Motivation: Problem Statement

### 1.3 Motivation: Research Question

- provides context for discussion (places issue within a larger debate or sphere of relevance)

### 1.4 Scope: Aim & Context of the Research

### 1.5 Significance of the Research: Theory of Change

- states precise thesis or position the author will argue for

### 1.6 Thesis Statement & Position: (Aim of the Paper)

- provides roadmap indicating structure and key content points of the essay

- 1.7 Overview: Structure & Approach of the Paper  
(Roadmap — Theory of Change)
- 1.8 Table of Contents



# Chapter 2

## Context

### 2.1 Context

20% of Grade:

- demonstrates understanding of all relevant core concepts
- explains why the question/thesis/problem is relevant in student's own words (supported by quotations)
- situates it within the debate/course material
- reconstructs selected arguments and identifies relevant assumptions
- describes additional relevant material that has been consulted and integrates it with the course material as well as the research question/thesis/problem

~ 29% of text ~ 8700 words

1. successively (chunk my chunk) introduce concepts/ideas — and 2. ground each with existing literature

# Chapter 3

## AMTAIR

### 3.1 AMTAIR

20% of Grade:

- provides critical or constructive evaluation of positions introduced
- develops strong (plausible) argument in support of author's own position/thesis
- argument draws on relevant course material
- claim/argument demonstrates understanding of the course materials incl. key arguments and core concepts within the debate
- claim/argument is original or insightful, possibly even presents an original contribution to the debate

~ 29% of text ~ 8700 words

# Chapter 4

## Discussion

### 4.1 Discussion

10% of Grade:

- discusses a specific objection to student's own argument
- provides a convincing reply that bolsters or refines the main argument
- relates to or extends beyond materials/arguments covered in class

~ 14% of text ~ 4200 words

# Chapter 5

## Conclusion

### 5.1 Conclusion

10% of Grade:

- summarizes thesis and line of argument
  - outlines possible implications
  - notes outstanding issues / limitations of discussion
  - points to avenues for further research
  - overall conclusion is in line with introduction
- ~ 14% of text ~ 4200 words

# References

# Appendix A

## Appendices

A.1 Appendices

A.2 Appendix A

A.3 Appendix B

A.4 Appendix C

A.5 Appendix D

TestText

# Appendix B

## appendixA

testtext



## Affidavit

### Declaration of Academic Honesty

Hereby, I attest that I have composed and written the presented thesis

*Automating the Modelling of Transformative Artificial Intelligence Risks*

independently on my own, without the use of other than the stated aids and without any other resources than the ones indicated. All thoughts taken directly or indirectly from external sources are properly denoted as such.

This paper has neither been previously submitted in the same or a similar form to another authority nor has it been published yet.

BAYREUTH on the  
May 12, 2025

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VALENTIN MEYER