

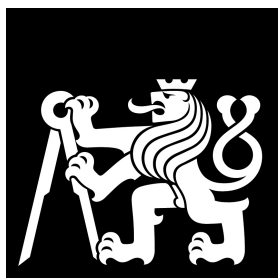
# Cape sandbox dataset collection and analyses

Diploma Thesis

**Bc. Dominik Kouba**

Supervisor: doc. Ing. Tomáš Pevný, Ph.D

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**FACULTY  
OF ELECTRICAL  
ENGINEERING  
CTU IN PRAGUE**

Department of Computer Science

## **Acknowledgements**

First of all, I would like to thank my supervisor, Firstname Lastname, for directing my PhD studies. I would also like to thank my colleagues and friends who helped me to realize the results presented here and to enjoy the period of my studies. Last, but not least, I wish to thank my wife and family for their constant love and support.

## **Author statement**

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## **Prohlášení autora**

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## **Abstrakt**

Even though machine learning algorithms already play a significant role in data science, many current methods pose unrealistic assumptions on input data. The application of such methods is difficult due to incompatible data formats, or heterogeneous, hierarchical or entirely missing data fragments in the dataset. As a solution, we propose a ver

## **Abstract**

Even though machine learning algorithms already play a significant role in data science, many current methods pose unrealistic assumptions on input data. The application of such methods is difficult due to incompatible data formats, or heterogeneous, hierarchical or entirely missing data fragments in the dataset. As a solution, we propose a ver

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# Chapter 1

## Introduction

Introduction

Intro cont.

## 1.1 Contributions

The ideas, figures, tables and results included in this thesis were published in scientific papers (listed at the end of the thesis). In a nutshell, the author is responsible for the following contributions:

**Chapter 2.:** Brief Contrib.

**Chapter 3.:** Brief Contrib.

**Chapter 4.:** Brief Contrib.

## 1.2 Examples

Given a set of numbers, there are elementary methods to compute its Greatest Common Divisor, which is abbreviated GCD. This process is similar to that used for the Least Common Multiple (LCM).

Examples of figure:

**Figure 1.1:** *Example of figure*



Examples of table:

#	Col 1	Col2
Row 1	0	1
Row 2	2	3

**Table 1.1:** *Example of table*

Example of equations:

$$x_{test} = b^2 + c^2 \quad (1.1)$$



# Chapter 2

## Name of Chapter II

Chapter brief.

### 2.1 Introduction

Chapter intro. *Structure of the chapter*: Section REF summarizes the related works and briefly presents previous results. The Work I is covered in Section REF. The Work II is covered in Section REF. Result and final thoughts are summarized in Section 2.5.

### 2.2 Related Works

Chapter related research.

### 2.3 Chapter Work I.

Work I. [2]

### 2.4 Chapter Work II.

Work II. [4]

### 2.5 Discussion and concluding remarks

Chapter conclusion.

The author of this PhD thesis is responsible for the following contributions presented in this chapter:

II/1. Contribution I.

II/2. Contribution II.

II/3. Contribution III.

II/4. Contribution X



# Chapter 3

## Name of Chapter III

Chapter brief.

### 3.1 Introduction

Chapter intro. *Structure of the chapter*: Section REF summarizes the related works and briefly presents previous results. The Work I is covered in Section REF. The Work II is covered in Section REF. Result and final thoughts are summarized in Section 3.5.

### 3.2 Related Works

Chapter related research.

### 3.3 Chapter Work I.

Work I. [3]

### 3.4 Chapter Work II.

Work II.

### 3.5 Discussion and concluding remarks

Chapter conclusion.

The author of this PhD thesis is responsible for the following contributions presented in this chapter:

II/1. Contribution I.

II/2. Contribution II.

II/3. Contribution III.

II/4. Contribution X

# Chapter 4

## Name of Chapter IV

Chapter brief.

### 4.1 Introduction

Chapter intro. *Structure of the chapter*: Section REF summarizes the related works and briefly presents previous results. The Work I is covered in Section REF. The Work II is covered in Section REF. Result and final thoughts are summarized in Section 4.5.

### 4.2 Related Works

Chapter related research.

### 4.3 Chapter Work I.

Work I. [5]

### 4.4 Chapter Work II.

Work II. [1]

### 4.5 Discussion and concluding remarks

Chapter conclusion.

The author of this PhD thesis is responsible for the following contributions presented in this chapter:

II/1. Contribution I.

II/2. Contribution II.

II/3. Contribution III.

II/4. Contribution X

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# Summary

The PhD thesis presents ...

The dissertation consists of three major parts. In Chapter...

## Work I.

Intro

In Chapter 2, brief...

## Work II.

Intro

In Chapter 3, brief...

## Work III.

Intro

In Chapter 4, brief...



## Contributions of the thesis

In the **first thesis group**, the contributions are related to .. . Detailed discussion can be found in Chapter 2.

I/1. Contrib I.

I/2. Contrib II.

I/3. Contrib III.

I/4. Contrib IV.

In the **second thesis group**, the contributions are related to the .. . Detailed discussion can be found in Chapter 3.

II/1. Contrib I.

II/2. Contrib II.

II/3. Contrib III.

II/4. Contrib IV.

In the **third thesis group**, the contributions are related to the .. . Detailed discussion can be found in Chapter 4.

III/1. Contrib I.

III/2. Contrib II.

III/3. Contrib III.

III/4. Contrib IV.

# Összefoglalás

Osszefoglalas

A munka három fő témakörből áll. Tomor osszefoglalas.

## **1. resz**

1. resz rovid bevezeto.

1. resz ismertetes.

## **2. resz**

2. resz rovid bevezeto.

2. resz ismertetes.

### **3. rész**

3. rész rövid bevezető.

3. rész ismertetés.

## A disszertáció tézisei

Az **első téziscsoportban** a hozzájárulásaim az 1. részhez kapcsolódik. A részletes bemutatás a 2. fejezetben található.

- I/1. Hozzajarulas I.
- I/2. Hozzajarulas II.
- I/3. Hozzajarulas III.
- I/4. Hozzajarulas IV.

A **második téziscsoport** 2. részhez kapcsolódik. A részletes bemutatás a 3. fejezetben található.

- II/1. Hozzajarulas I.
- II/2. Hozzajarulas II.
- II/3. Hozzajarulas III.
- II/4. Hozzajarulas IV.

A **harmadik téziscsoport** hozzájárulásai a 3. részhez kapcsolódnak. Részletes bemutatás a 4. fejezetben található.

- III/1. Hozzajarulas I.
- III/2. Hozzajarulas II.
- III/3. Hozzajarulas III.
- III/4. Hozzajarulas IV.



# Publications

## Journal publications

- [1] G. Z, A. A, G. G, G. G, and L. G. N. Paper Title. *Journal Name*, VOL(NUMBER), PP-PP, YEAR.

## Full papers in conference proceedings

- [5] G. Z, G. W, P. V, H.B. R, M. M, Á. L. Paper Title. In *Proceedings of the Xth Annual International Conference on Conference*, DISTRIBUTOR, PP-PP, YEAR.

## Further related publications

- [8] G. Z, A. B, G. K, G. H, and L. G. N. Paper Title. In *The Xth Jubilee Conference of Something: Volume of extended abstracts.*, YEAR.