UNIVERSITY OF WEST BOHEMIA

BACHELOR THESIS

Thesis title

Author:
YourName YOURSURNAME

Supervisor:
Name of Supervisor

A thesis submitted in fulfillment of the requirements
for the degree of Engineer (Ing.)

in the

Department of Cybernetics

March 27, 2021

Declaration of Authorship

I, YourName YOURSURNAME, declare that this thesis titled, "Thesis title" and the work presented in it are my own. I confirm that:

- This work was done wholly or mainly while in candidature for a research degree at this University.

- Where any part of this thesis has previously been submitted for a degree or any other qualification at this University or any other institution, this has been clearly stated.

- Where I have consulted the published work of others, this is always clearly attributed.

- Where I have quoted from the work of others, the source is always given. With the exception of such quotations, this thesis is entirely my own work.

- I have acknowledged all main sources of help.

Signed:

_____

Date:

_____

"Something supersmart."

Your hero

UNIVERSITY OF WEST BOHEMIA

Abstract

Faculty of Applied Sciences

Department of Cybernetics

Engineer (Ing.)

Thesis title

by YourName YOURSURNAME

Your abstract goes here...

Acknowledgements

Your acknowledgements go here...

Contents

List of Figures

List of Tables

List of Abbreviations

AI   **A**rtificial **I**ntelligence
ANN   **A**rtificial **N**eural **N**etwork
Your abbreviations...

Chapter 1

Introduction

Your intro... Thesis ref example: **bulin:2016**, Misc ref example: **smidl:pc**,
Article ref example: **mcculloch:neuron**, Online webpage ref example: **online:xor_solution**

1.1   State of the Art

1.2   Thesis Objectives

1.3   Thesis Outline

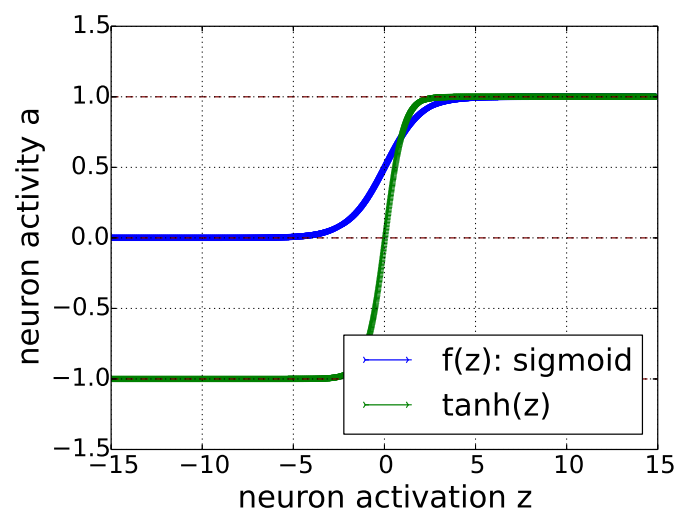# Chapter 2

Methods

Two basic transfer functions are shown in **??**.

FIGURE 2.1: Transfer functions: *Sigmoid* and *Tanh*

Chapter 3

Examples

3.1   XOR Function

Chapter 4

Discussion

Discussion starter...

4.1 Recapitulation of Methods

4.2 Summary of Results

Chapter 5

Conclusion

Conclusion text...

5.1 Future Work

Outlook...

Appendix A1

Structure of the Workspace

```
root
├─ officials
├─ literature
├─ data
│  ├─ data_mnist
│  └─ data_speech
├─ py
│  ├─ examples
│  │  ├─ karnin
│  │  ├─ mnist
│  │  ├─ rpe
│  │  ├─ speech
│  │  ├─ train
│  │  └─ xor
│  ├─ kitt_lib
│  └─ scripts
├─ results
├─ progress_reports
└─ thesis
```