

Project “Topic: Derivatives in Neural Networks (NN)”

Title

IB3702 Mathematics for Machine Learning

Tobias Hungwe

15 November, 2025

1 Introduction

Purpose: Introduce the motivation and general context of the topic.

Content:

Text...

2 Preliminaries

Purpose: Provide the mathematical background required to understand the topic

Content:

Text...

3 Methods

Purpose: Explain how it works step-by-step

Content:

Text...

4 Numerical Examples

Purpose: Provide a small illustrative example to demonstrate it in practice.

Content:

Text...

5 Collaboration

Purpose: Explain how the group collaborated and divided tasks.

Content:

- Describe who worked on what:
 - Tobias handled ...
 - Harman handled ...
- Mention the communication method (e.g., shared documents, group meetings, GitHub, etc.).
- Reflect briefly on teamwork effectiveness.

6 Reflection

Purpose: Personal reflections on the learning experience.

Content for Each Subsection:

6.1 Student a: Tobias Hungwe

- Reflect on the practical side: implementing [topic], interpreting [topic], and visualising results.
- Mention insights.
- Optionally note any challenges

6.2 Student b: Harman Singh

Text...

References