

Artificial Neural Networks and Deep Learning - Notes - v0.1.0

260236

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Preface

Every theory section in these notes has been taken from two sources:

- Ian Goodfellow and Yoshua Bengio and Aaron Courville, [Deep Learning](#), MIT Press. [1]
- Course slides. [2]

About:

 [GitHub repository](#)



These notes are an unofficial resource and shouldn't replace the course material or any other book on artificial neural networks and deep learning. It is not made for commercial purposes. I've made the following notes to help me improve my knowledge and maybe it can be helpful for everyone.

As I have highlighted, a student should choose the teacher's material or a book on the topic. These notes can only be a helpful material.

Contents

References

- [1] Ian Goodfellow, Yoshua Bengio, and Aaron Courville. *Deep Learning*. MIT Press, 2016. <http://www.deeplearningbook.org>.
- [2] Matteucci Matteo. Artificial neural networks and deep learning. Slides from the HPC-E master's degree course on Politecnico di Milano, 2025-2026.