Deep Learning

Marc Lelarge, Jill-Jenn Vie, and Kevin Scaman Class notes by Antoine Groudiev



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Abstract

This document is Antoine Groudiev's class notes while following the class *Deep Learning* at the Computer Science Department of ENS Ulm. It is freely inspired by the class notes written by Marc Lelarge, Jill-Jênn Vie, and Kevin Scaman.

1 Introduction and general overview

- 1.1 What is Deep Learning?
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- 1.1.2 Timeline of Deep Learning
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- 1.1.6 Building blocks of deep learning
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- 8 Robustness and regularity
- 9 Q-Deep Learning for Breakout
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