Prompts for Deep Learning, Chapter 1: Introduction

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- Deep learning approach to artificial intelligence.

- Knowledge base approach to artificial intelligence.

- Machine learning meaning.

- Feature meaning.

- Representation learning approach to deep learning.

- What is an autoencoder?

- Factors of variation meaning.

- What is a neural network?

- In the context of neural networks, define the following.

    - Input layer.
    - Hidden layer.
    - Output layer.

- What are multilayer perceptrons (MLP)?

- Describe different perspectives on how multilayer perceptrons work.

- Describe ways of measuring the depth of a deep learning model.

- Figure 1.5 in the book summarises different approaches to artificial intelligence.

The rest of the chapter walks through the history of deep learning.