

# 14) Deep Learning and Neural Network

Vitor Kamada

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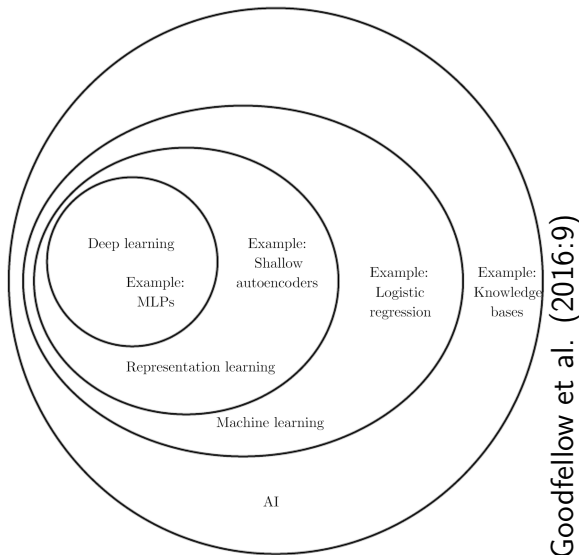
Goodfellow et al. (2016): Ch 1.

<https://www.deeplearningbook.org/>

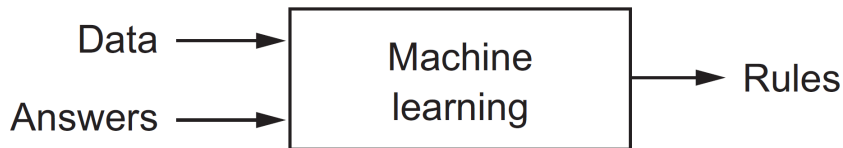
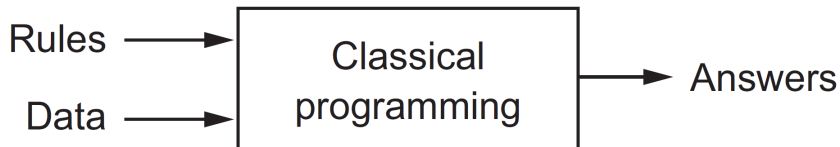
Chollet (2018): Ch 1 and 2.1.

<https://www.manning.com/books/deep-learning-with-python>

# Deep Learning $\subset$ Machine Learning



# New Programming Paradigm

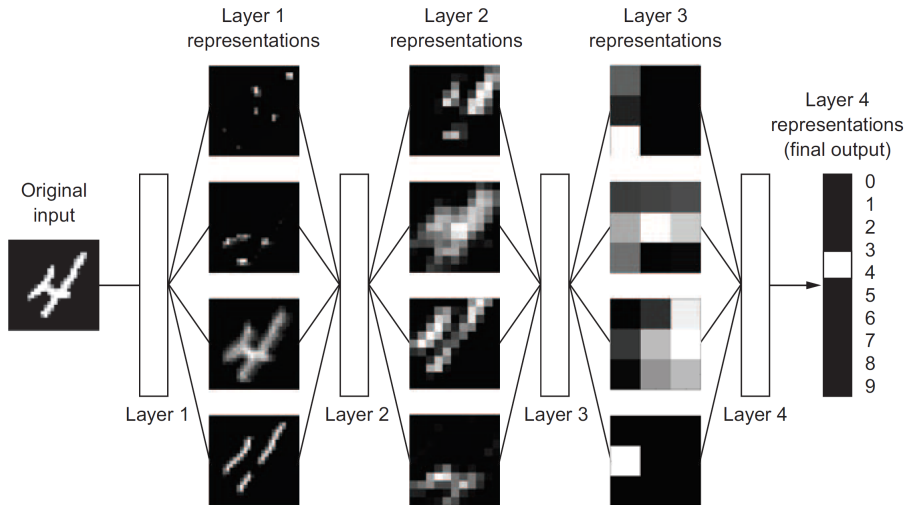


# Handwritten Digits



Efron & Hastie (2016:353)

# Digit-Classification Model



Chollet (2018:9)