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Machine Learning with Python-From Linear Models to Deep Learning

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1. Objectives

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Linear Classifiers and Perceptron Algorithm

At the end of this lecture, you will be able to

- understand the concepts of Feature vectors and labels, Training set and Test set, Cla Test error, and the Set of classifiers

- derive the mathematical presentation of linear classifiers

- understand the intuitive and formal definition of linear separation

- use the perceptron algorithm with and without offset

Discussion

Topic: Unit 1. Linear Classifiers and Generalizations (2 weeks):Lecture 2. Linear Classifier and Perceptron / 1. Objectives

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