Perceptron Learning

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Outline:

Linear separability

Linear classifiers and linear decision boundries

Perceptron classifier

Perceptron learning algorithm

Basic principles

Pseudocode

* Feature space
  + In pattern recognition, represent patterns by vectors
  + Dimension of vectors is by number of features use to represent them
  + Output always 1 or 0
* Decision boundries
  + Classifier
* Perceptron really is just computing the dot product of two vectors