

Notes on understanding classifiers

[work in progress]

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December 11, 2015

Abstract

This note is related to Simple Classifier project (<https://github.com/TomaszGolan/simpleClassifiers>) which was an exercise to understand two classifiers: k-Nearest Neighbors (kNN) and Support Vector Machine (SVM) . Two classes of 2D points are considered within the project: separable (below or above $f(x) = x$) and inseparable (inside or outside circle). The purpose of this note is to explain technical details of both algorithms and demonstrate how they work on a simple example.