

Support Vector Machines

EECE 580B

Lecture 16

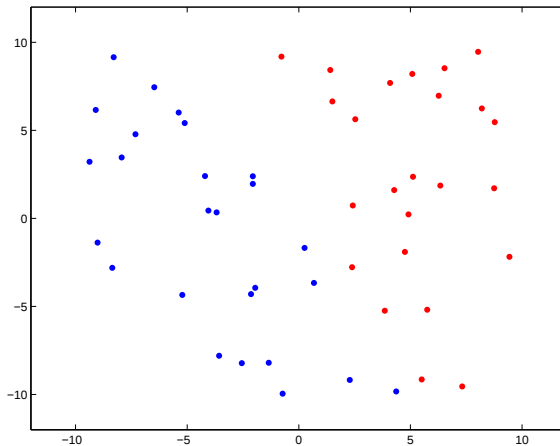
March 23, 2010

Jan Kodovský, Jessica Fridrich



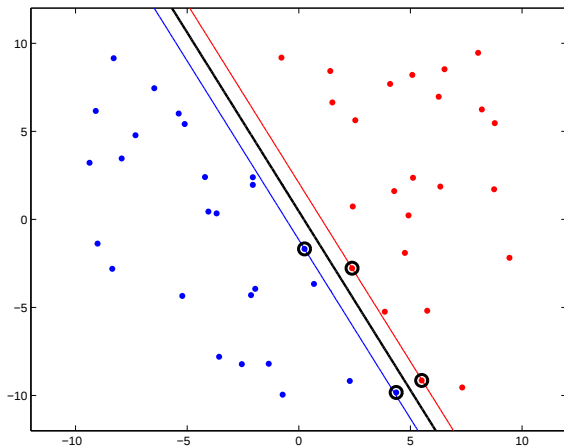
State University of New York

Example 1

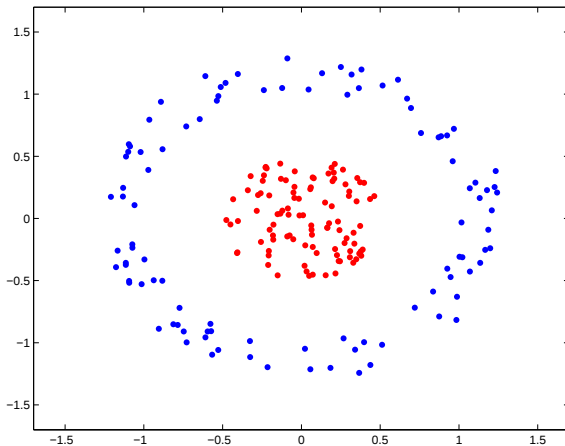


Example 1

Linear kernel

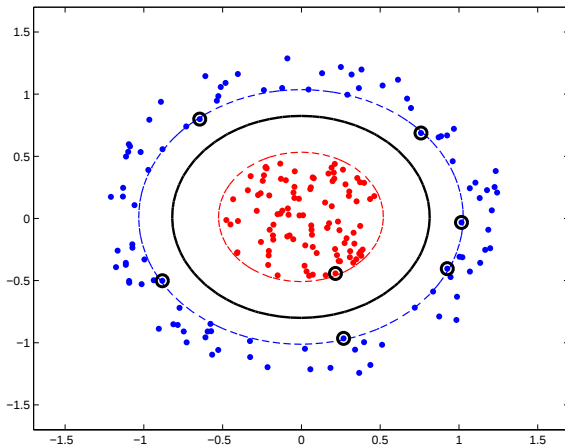


Example 2

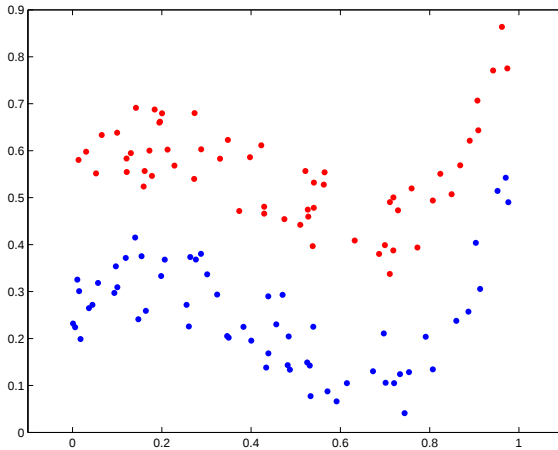


Example 2

Polynomial kernel

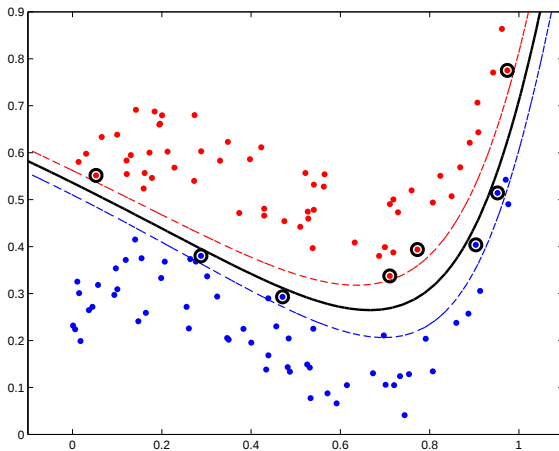


Example 3

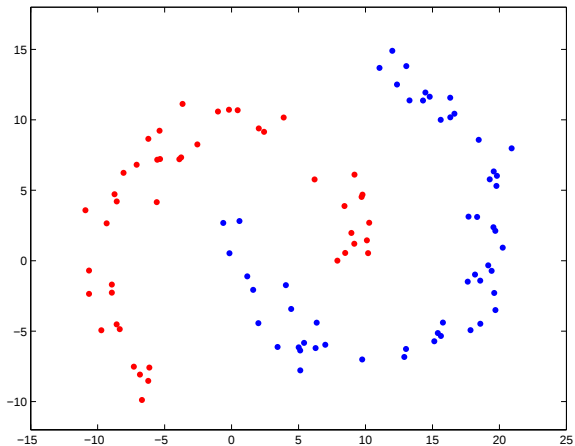


Example 3

Gaussian kernel

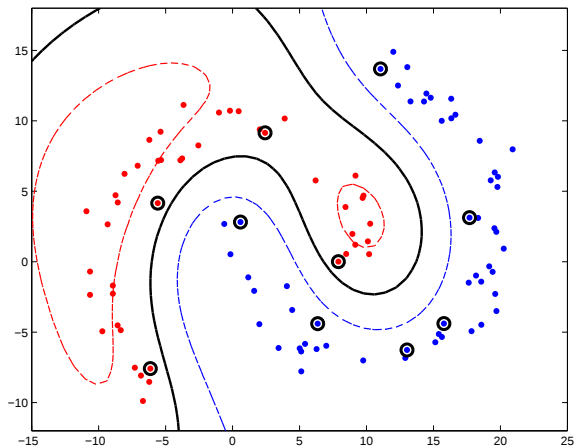


Example 4



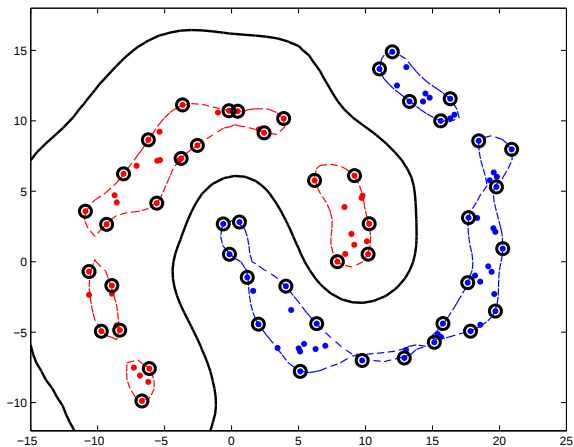
Example 4

Gaussian kernel, $\gamma = 10^{-2}$



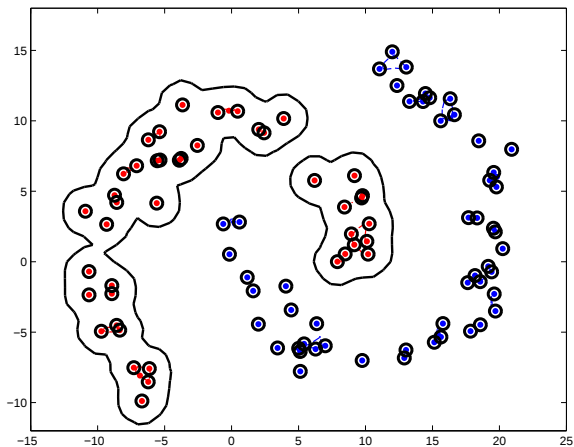
Example 4

Gaussian kernel, $\gamma = 10^{-1}$



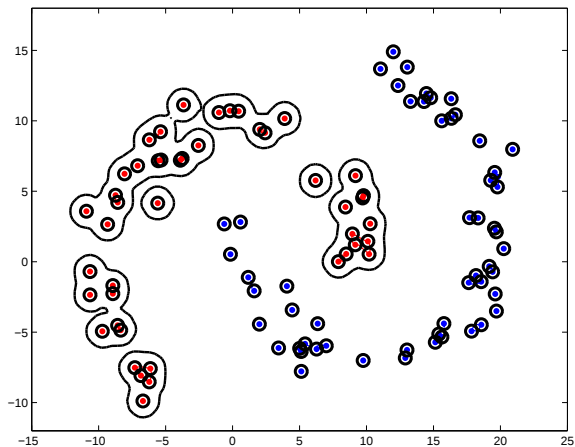
Example 4

Gaussian kernel, $\gamma = 10^0$



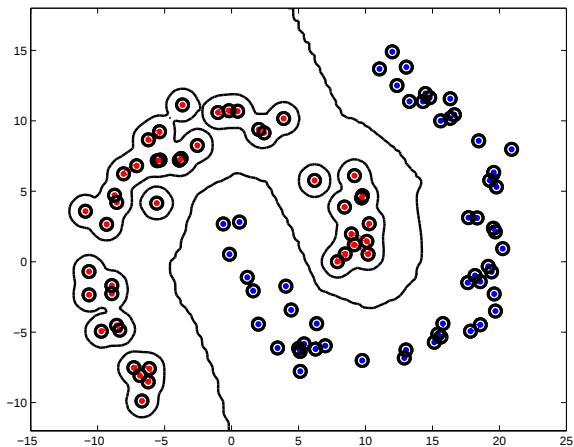
Example 4

Gaussian kernel, $\gamma = 10^{0.3}$



Example 4

Gaussian kernel, $\gamma = 10^{0.3}$



Example 4

Gaussian kernel, $\gamma = 10^{0.3}$

