



Support Vector Machine

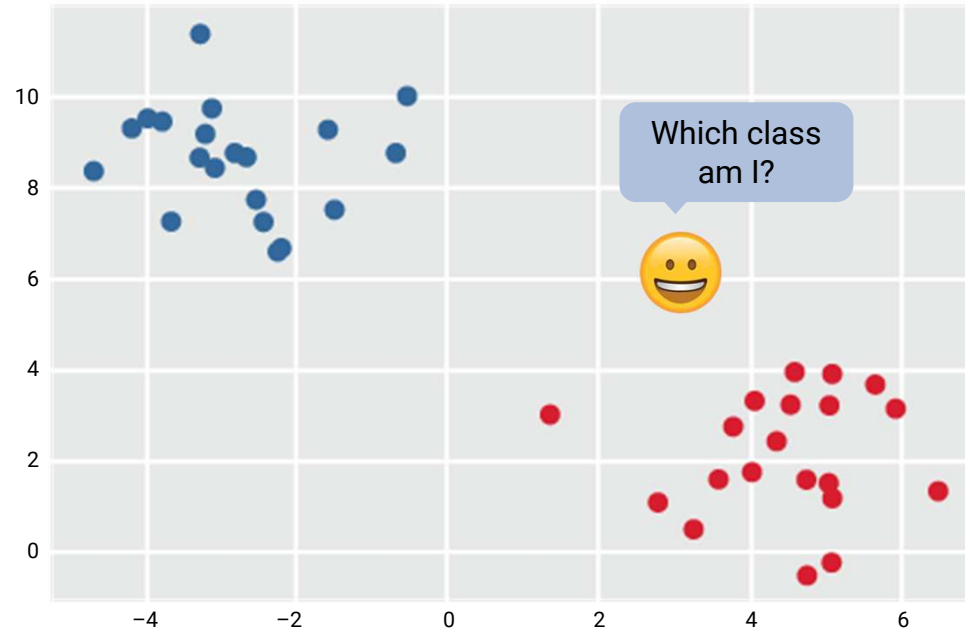
Data Boot Camp
Lesson 21.2



Support Vector Machine

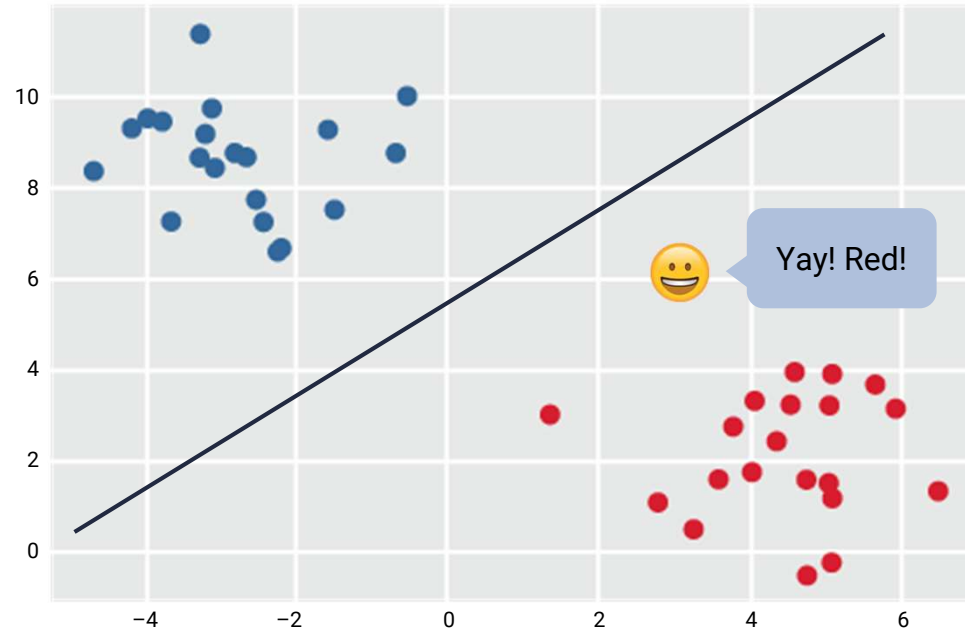
Linear Classifiers

Linear classifiers attempt to draw a line that separates the data, but which line best separates the groups?



Linear Classifiers

Linear classifiers attempt to draw a line that separates the data, but which line best separates the groups?



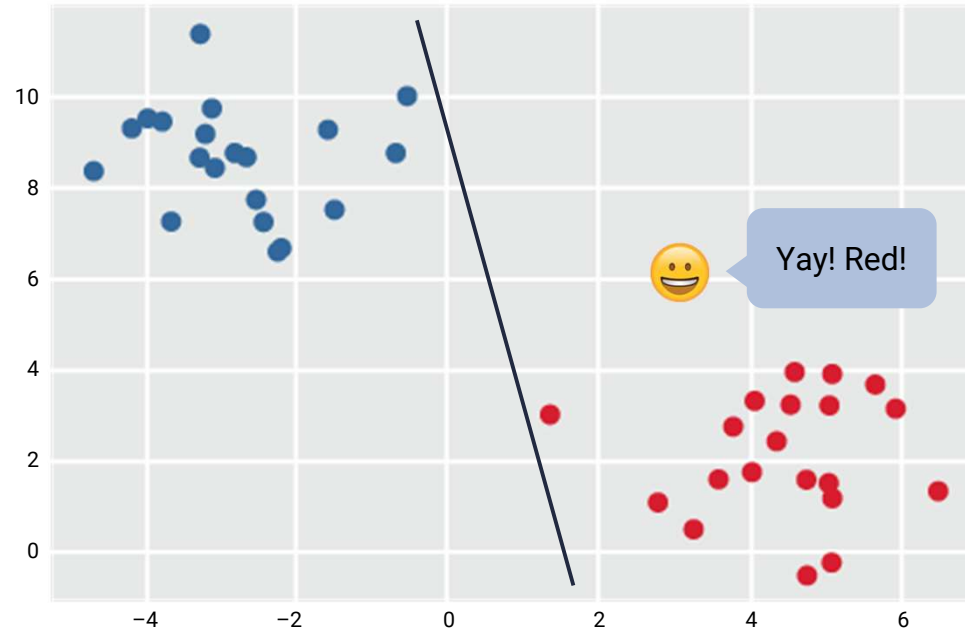
Linear Classifiers

Linear classifiers attempt to draw a line that separates the data, but which line best separates the groups?



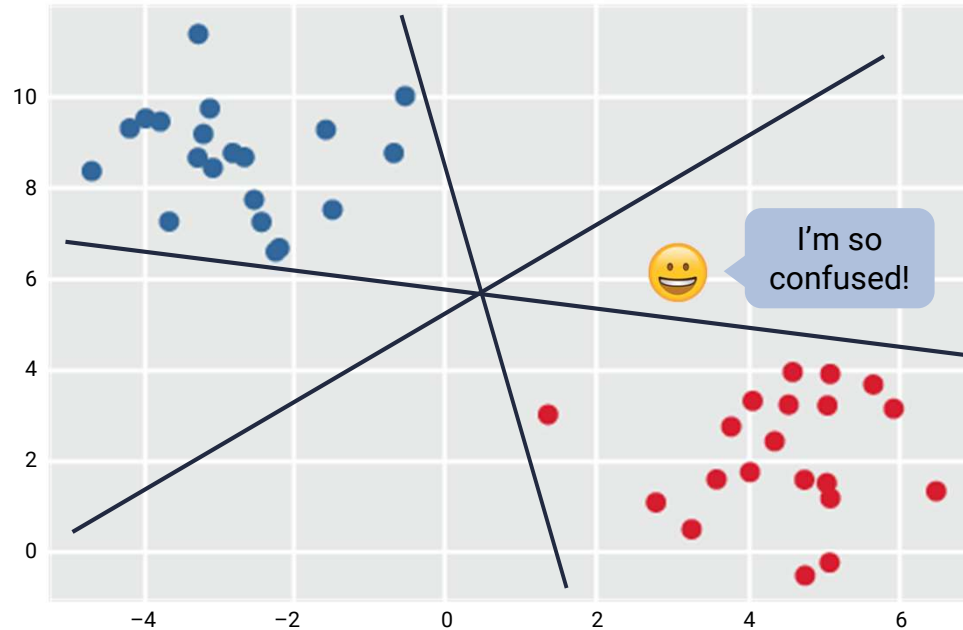
Linear Classifiers

Linear classifiers attempt to draw a line that separates the data, but which line best separates the groups?



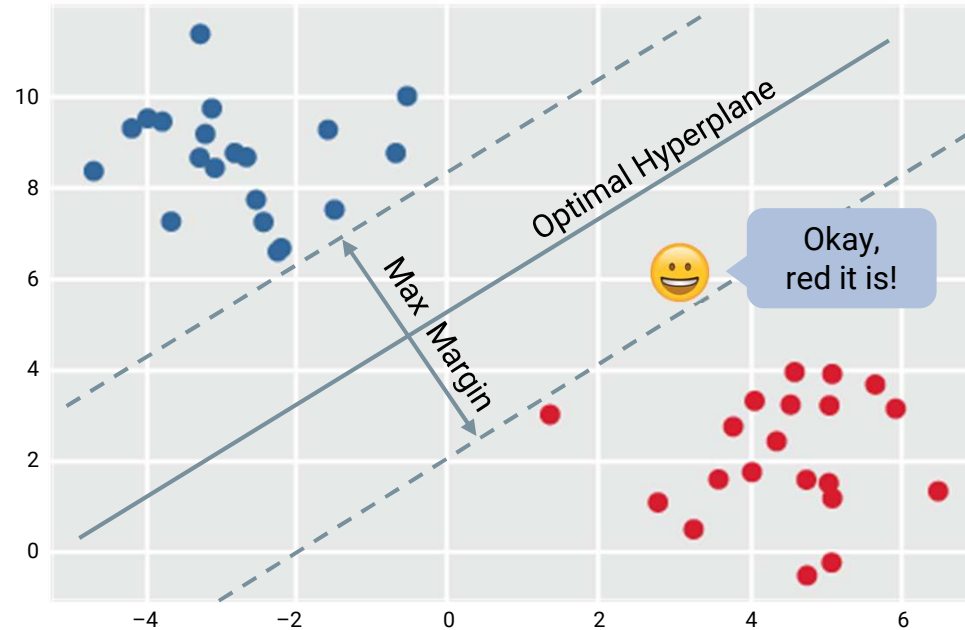
Linear Classifiers

Linear classifiers attempt to draw a line that separates the data, but which line best separates the groups?



Support Vector Machines

The Support Vector Machines (SVM) algorithm finds the optimal hyperplane that separates the data points with the largest margin possible.





Questions?