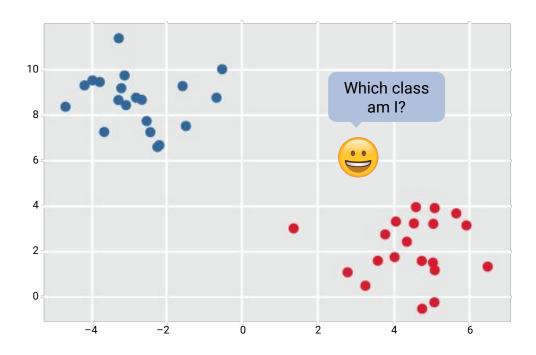
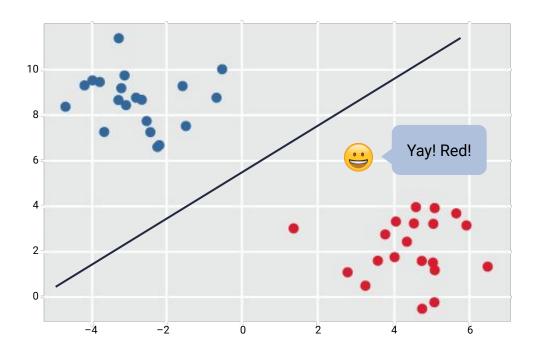


# Support Vector Machine

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

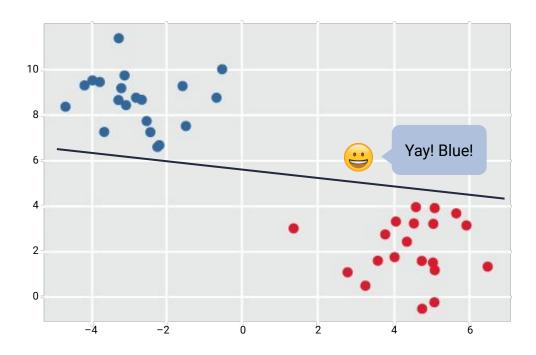


Linear classifiers attempt to draw a line that separates the data, but which line best separates the groups?

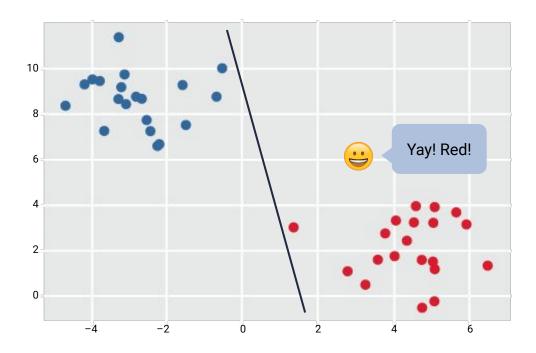


4

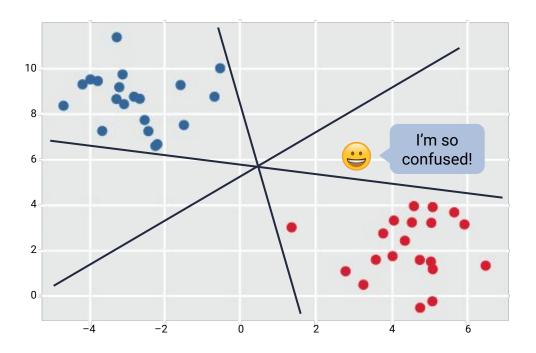
Linear classifiers attempt to draw a line that separates the data, but which line best separates the groups?



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



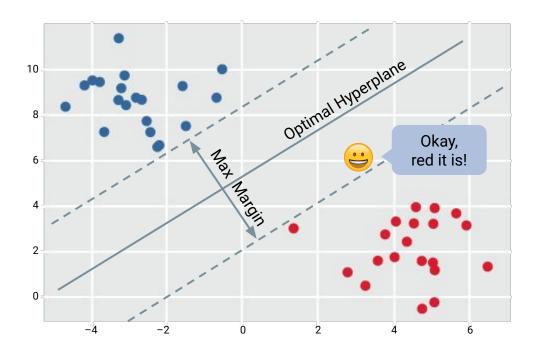
Linear classifiers attempt to draw a line that separates the data, but which line best separates the groups?



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### **Support Vector Machines**

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



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# **Questions?**