

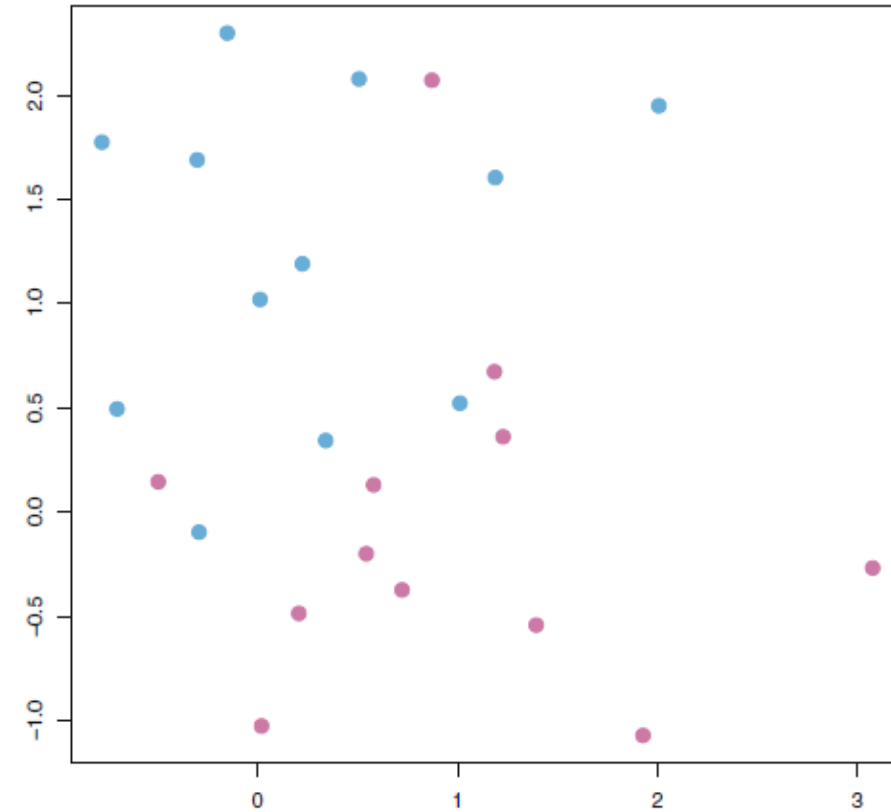


Start-Tech Academy

Maximal Margin Classifier

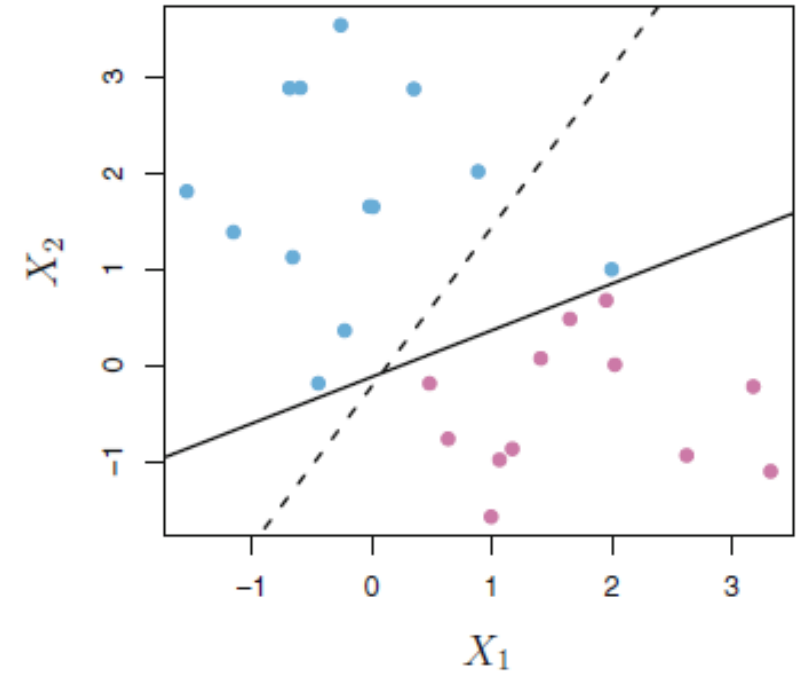
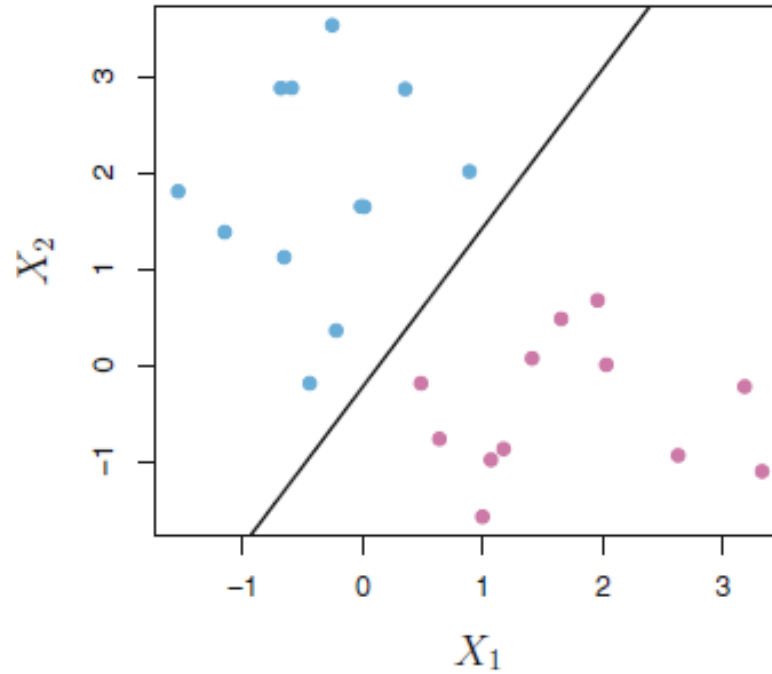
Limitation 1

Maximal margin classifier cannot be used if the two classes are not separable by a hyperplane



Maximal Margin Classifier

Limitation 2



Maximal margin classifier is very sensitive to support vectors, an additional observation can lead to a dramatic shift in the maximal margin hyperplane

