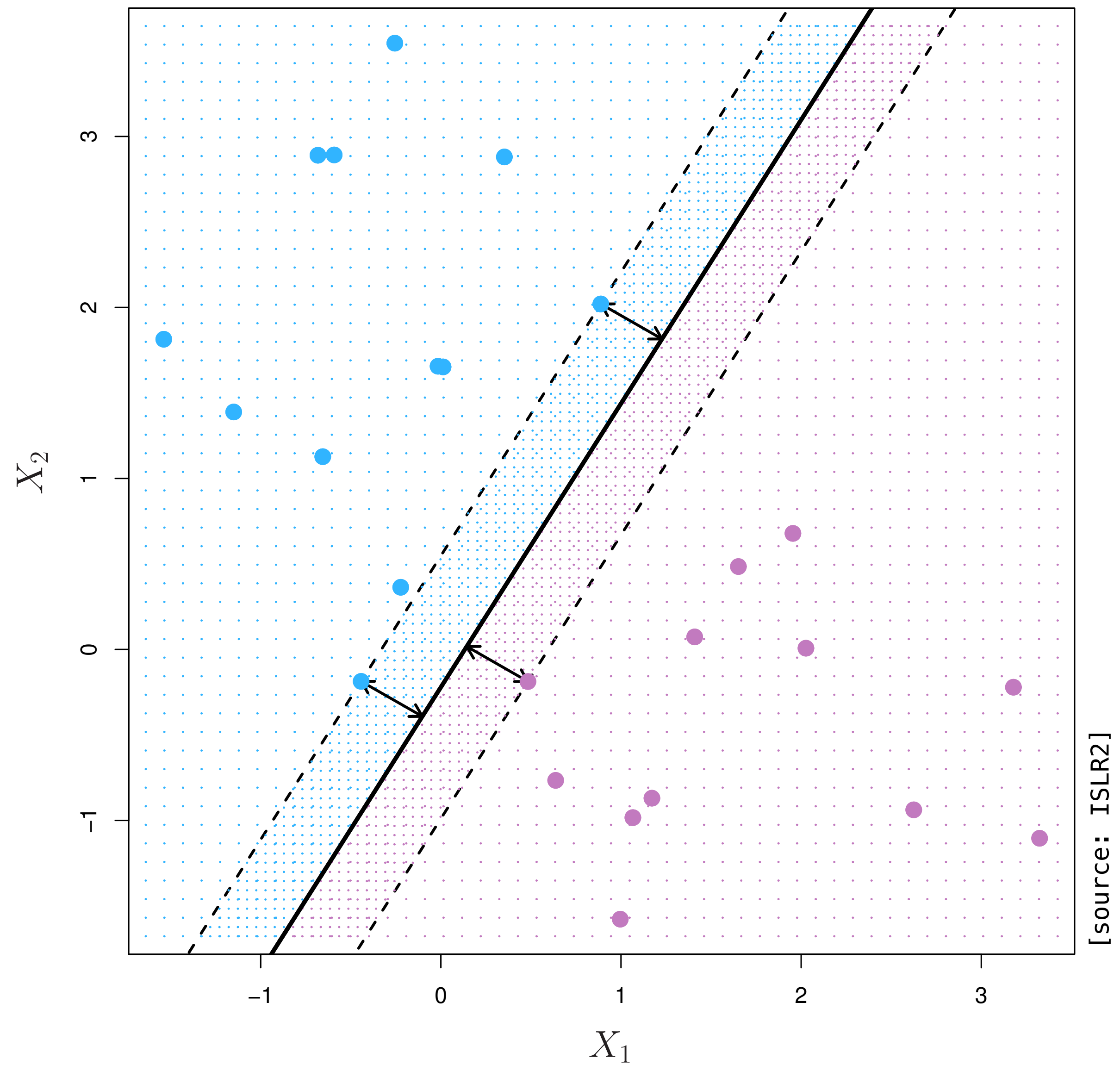




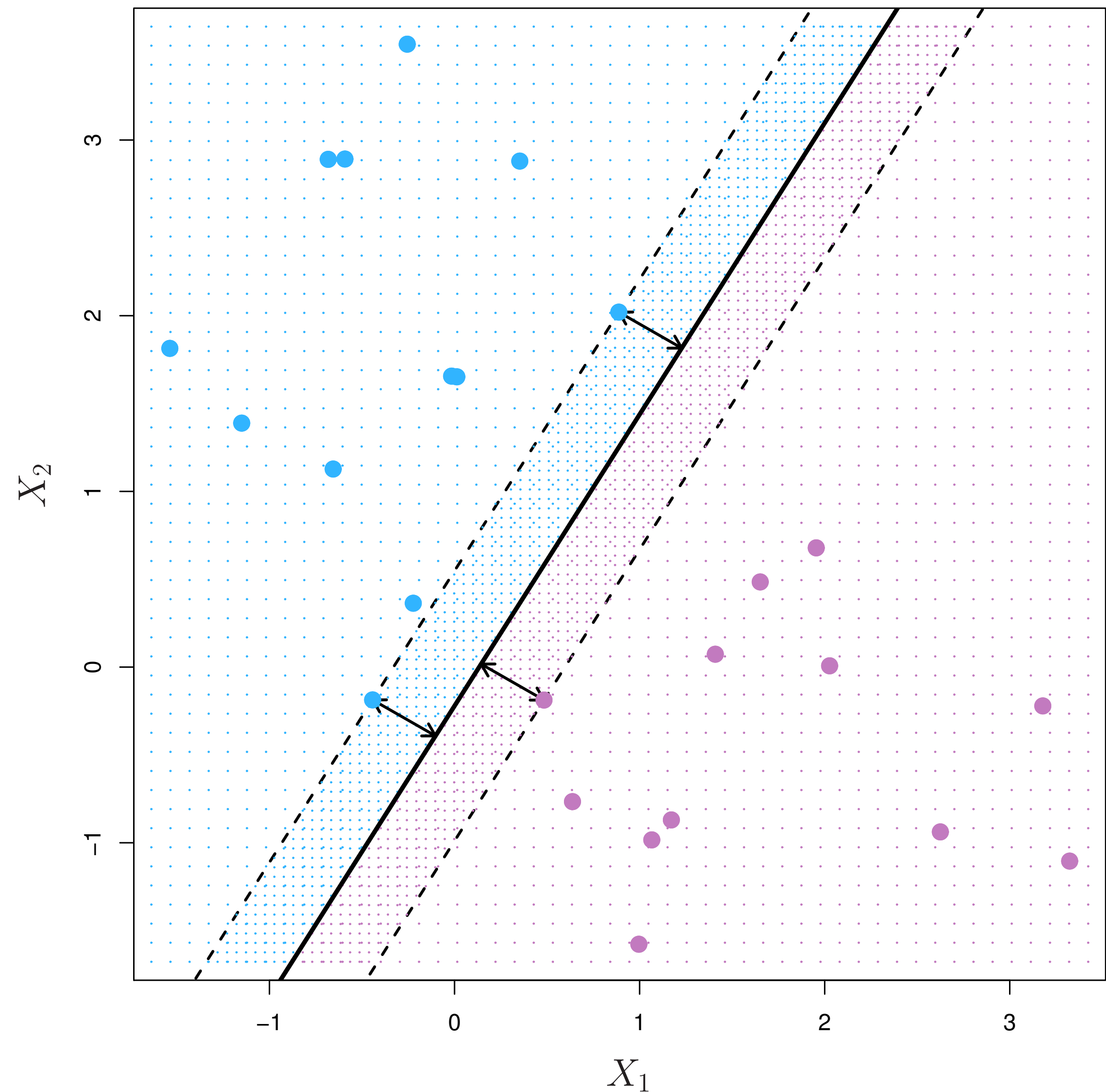
**MaximalMarginClassifier**

choose the one that's furthest  
from the training examples





# Maximal Margin Classifier

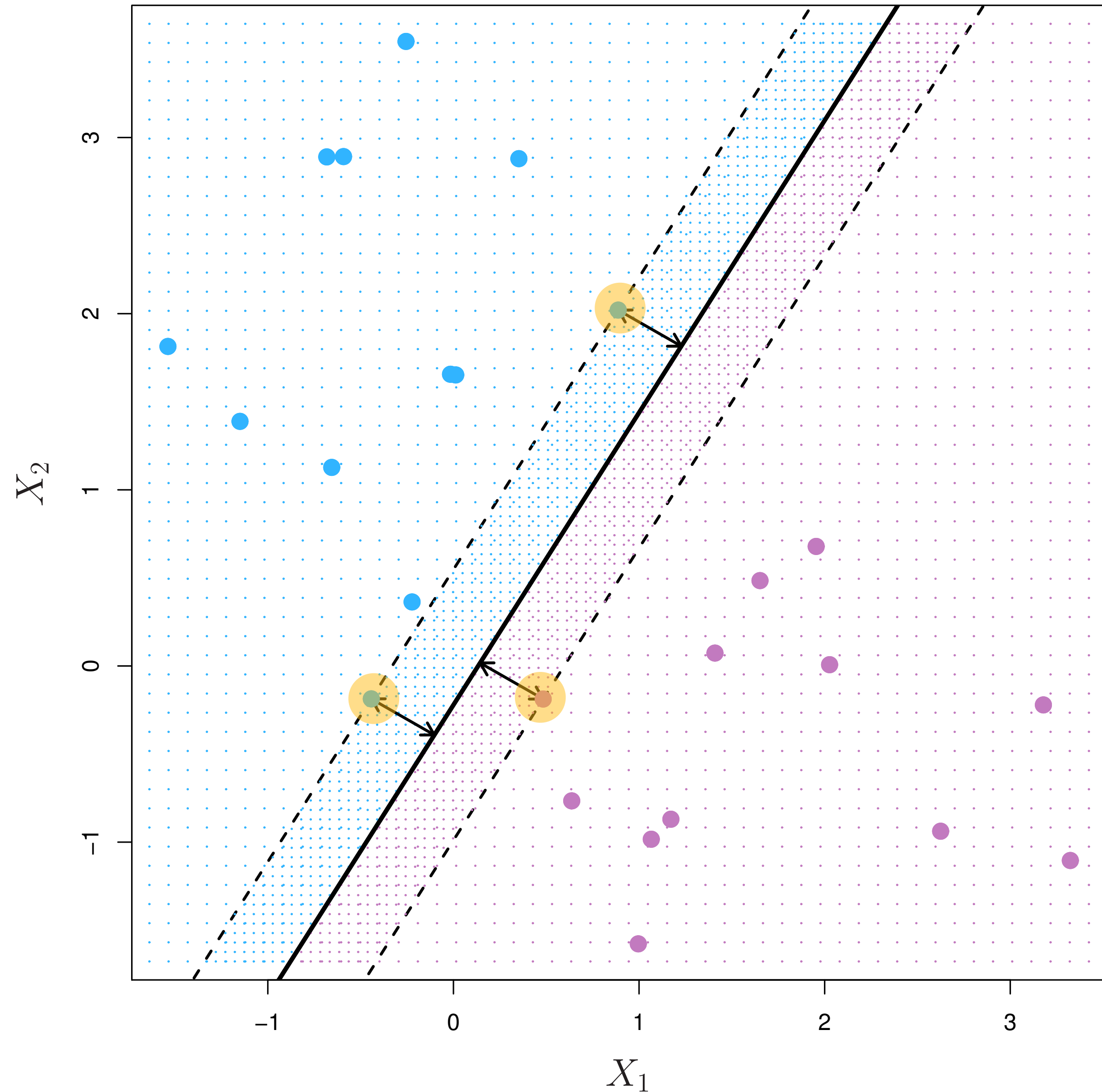


[source: ISLR2]

choose the one that's furthest  
from the training examples



# Maximal Margin Classifier



[source: ISLR2]

**support vectors**  
the closest points from both classes

**the margin**  
the distance from hyperplane to support vectors