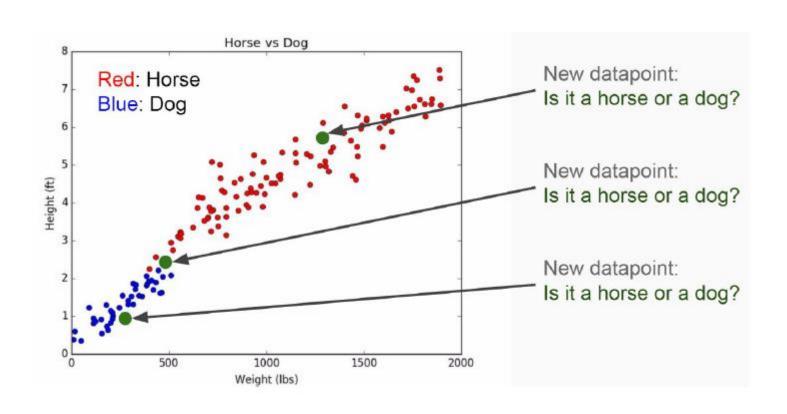
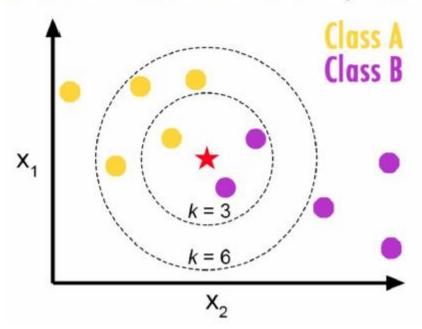
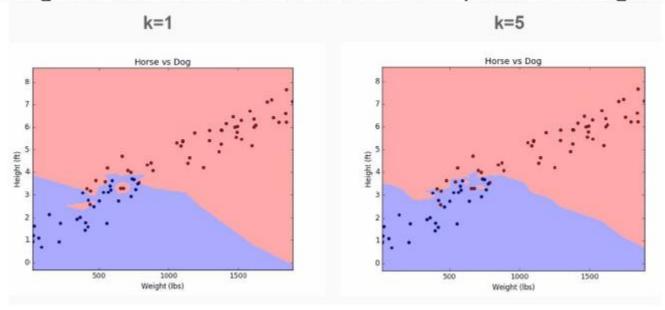
Introduction to K Nearest Neighbors



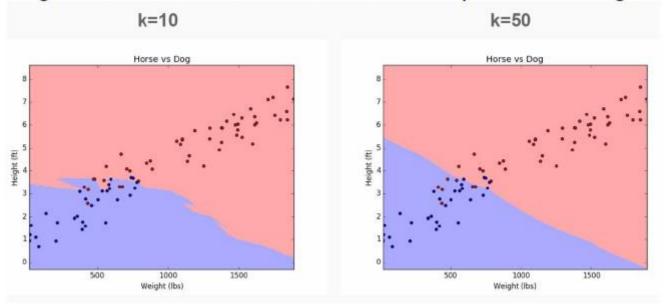
Choosing a K will affect what class a new point is assigned to:



Choosing a K will affect what class a new point is assigned to:



Choosing a K will affect what class a new point is assigned to:



Pros

- Very simple
- Training is trivial
- Works with any number of classes
- Easy to add more data
- Few parameters
 - o K
 - Distance Metric

Cons

- High Prediction Cost (worse for large data sets)
- Not good with high dimensional data
- Categorical Features don't work well