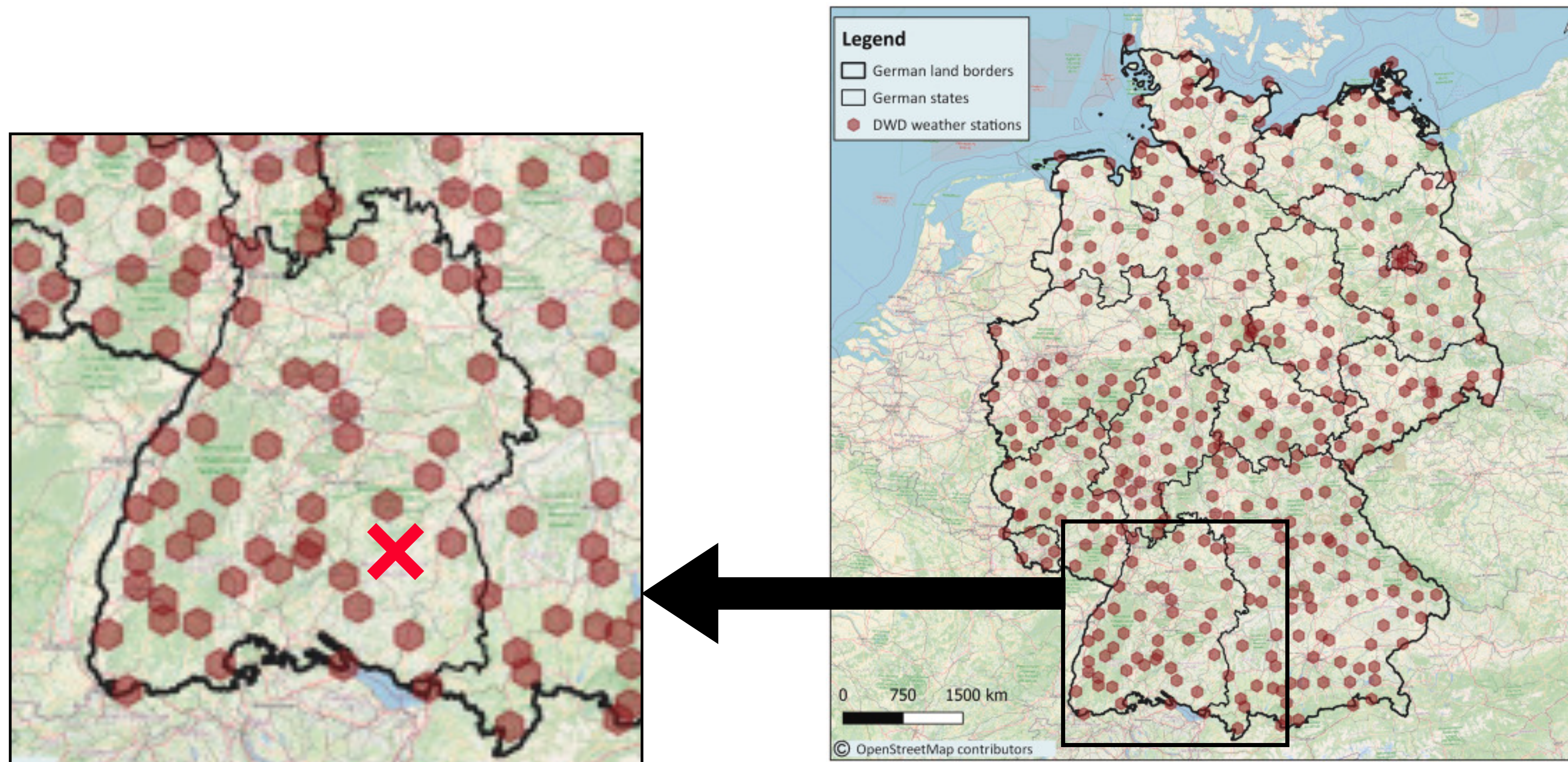


# K-Nearest Neighbors (KNN)

**KNN regression** tries predicting values of output variable by using a local average

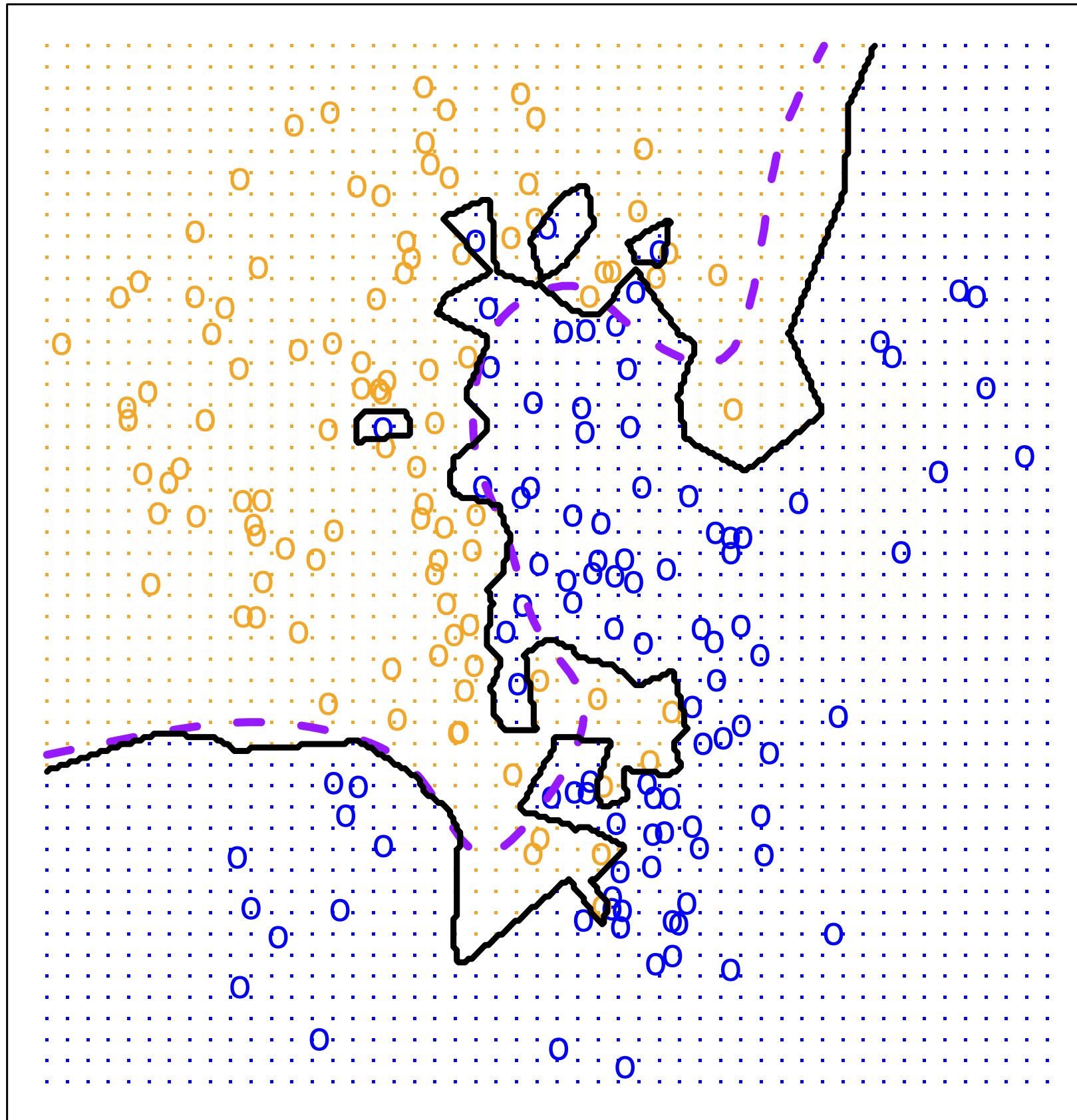
**KNN classification** attempts predicting the class to which the output variable belong by computing the local probability



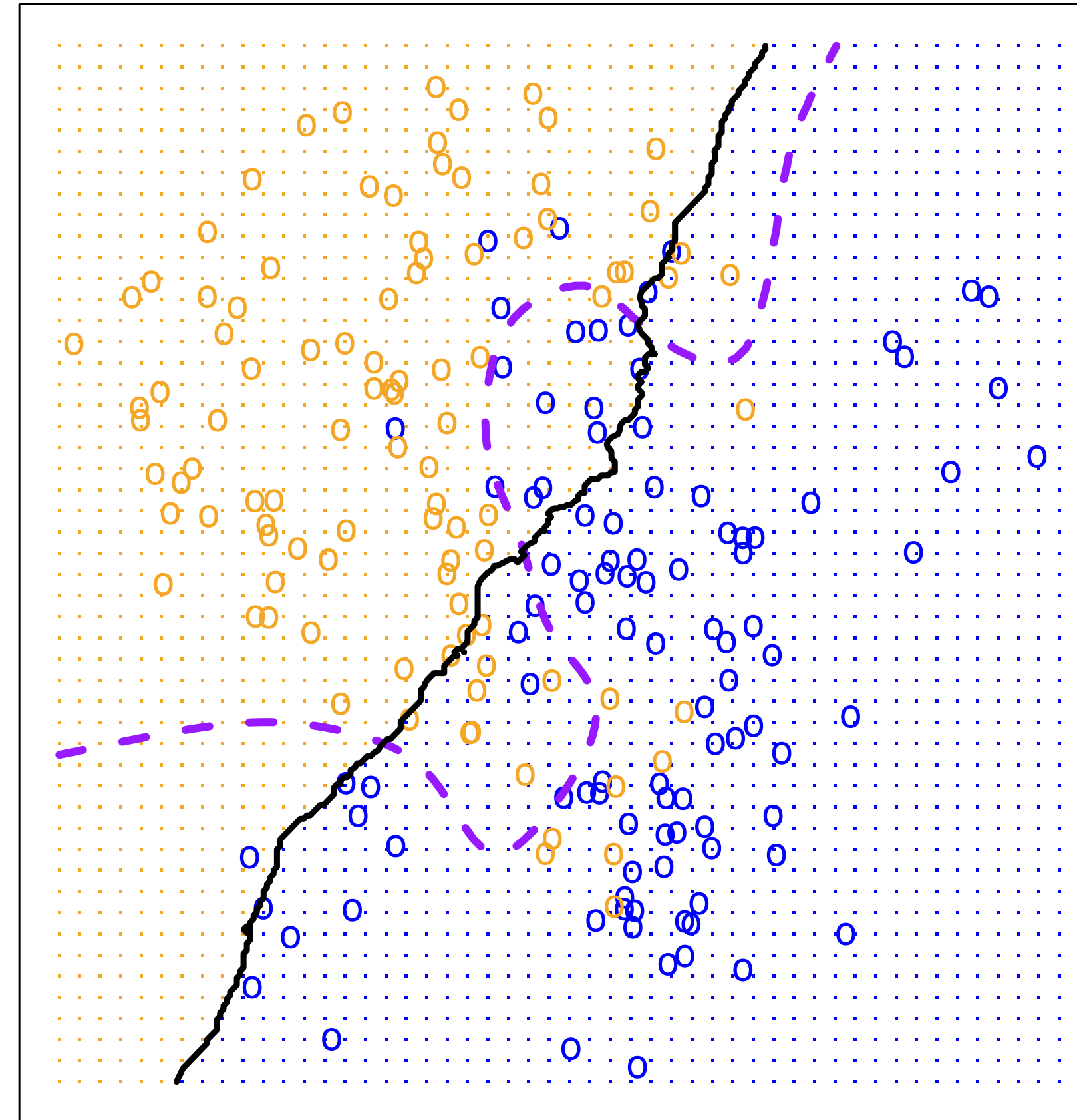


# The Parameter K

KNN: K=1



KNN: K=100



[Source: ISLR2]