

Problem 8

Tuesday, June 11, 2024

6:00 PM

We would prefer Logistic Regression.

It has a 30% error rate on test.

What is kNN error rate on test?

We know it's 0 on train since $k=1$. Thus

it will always pick the actual point.

The avg is 18% so test must be
36% since $18 = (0 + 36)/2$.

$30\% < 36\%$ so logistic regression is best.