

Mismatched training and dev/test data

Bias and Variance with mismatched data distributions

Cat classifier example

Assume humans get $\approx 0\%$ error.

Training error

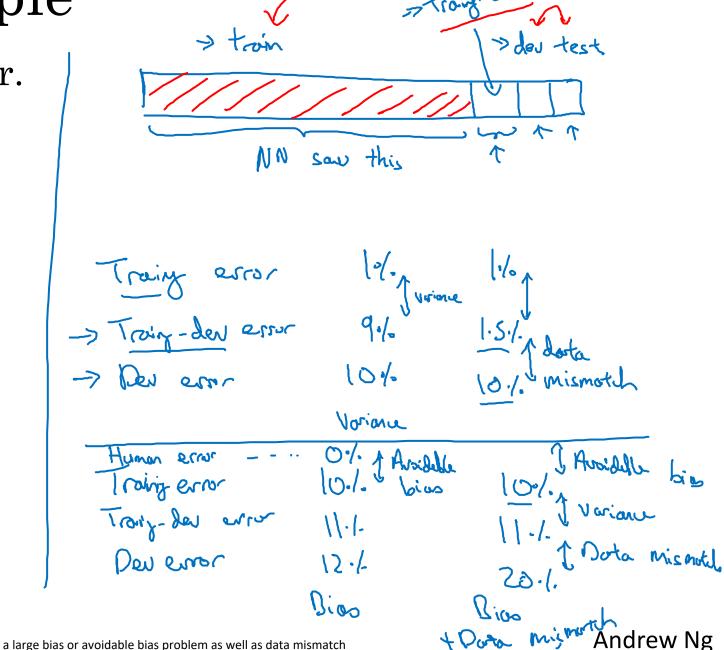
Dev error

1000

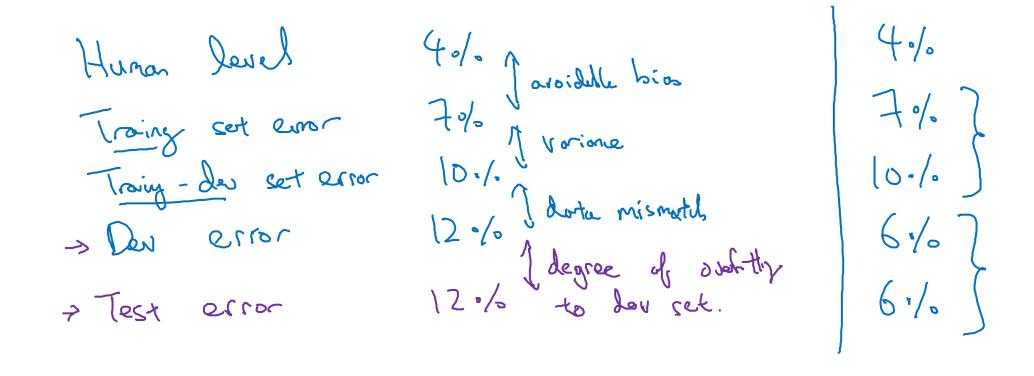
Two thing changed at a time.

One is that the algorithm saw data in the training set but not in the dev set. Two the distribution of data in the dev set is different.

Training-dev set: Same distribution as training set, but not used for training



Bias/variance on mismatched training and dev/test sets



More general formulation

Reason Milror

