



deeplearning.ai

Mismatched training
and dev/test data

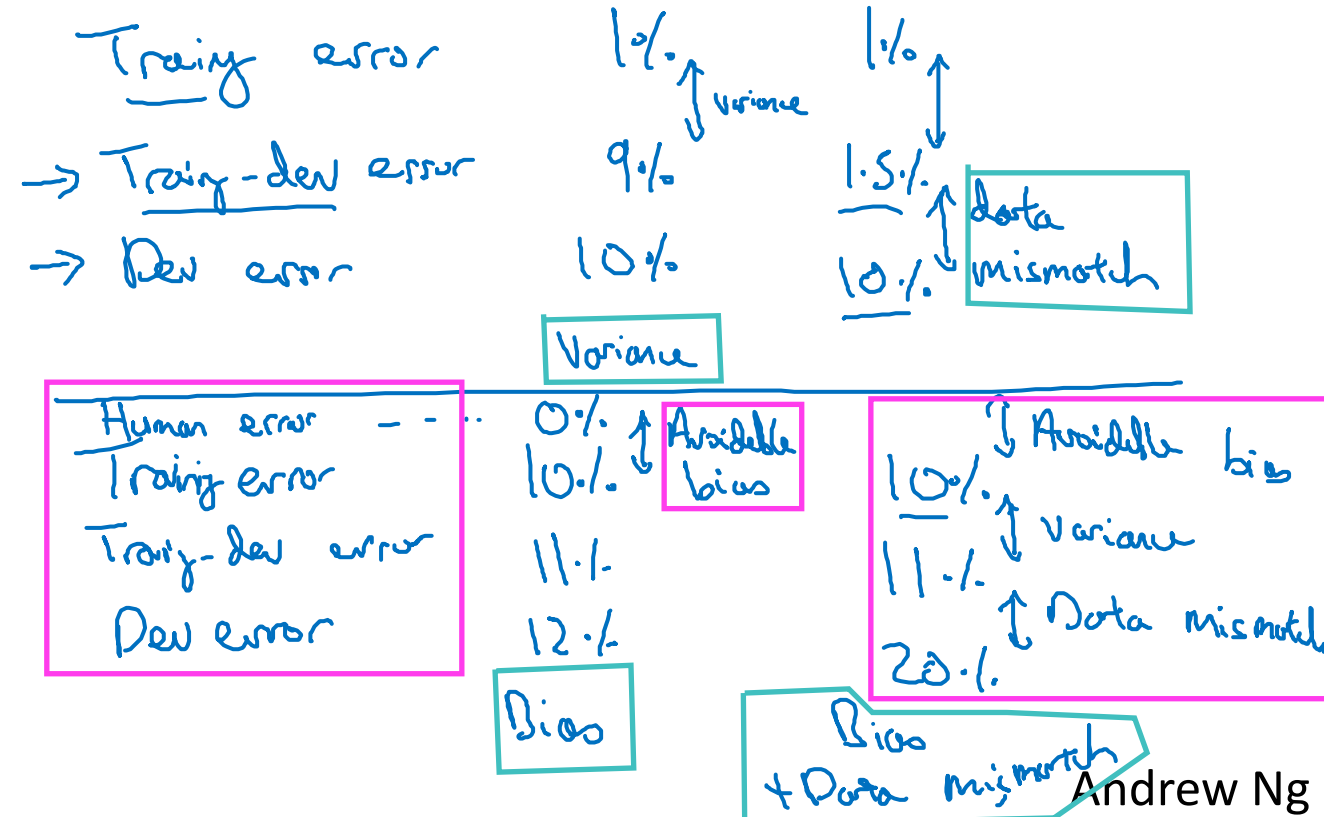
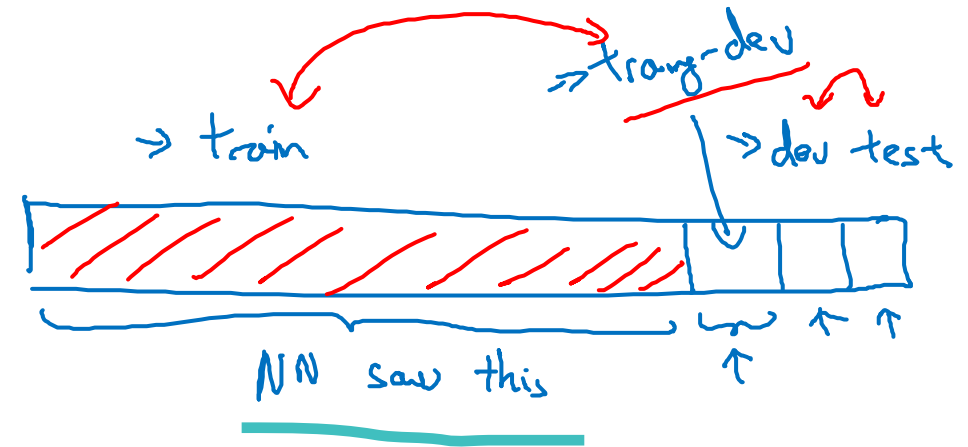
Bias and Variance with
mismatched data
distributions

Cat classifier example

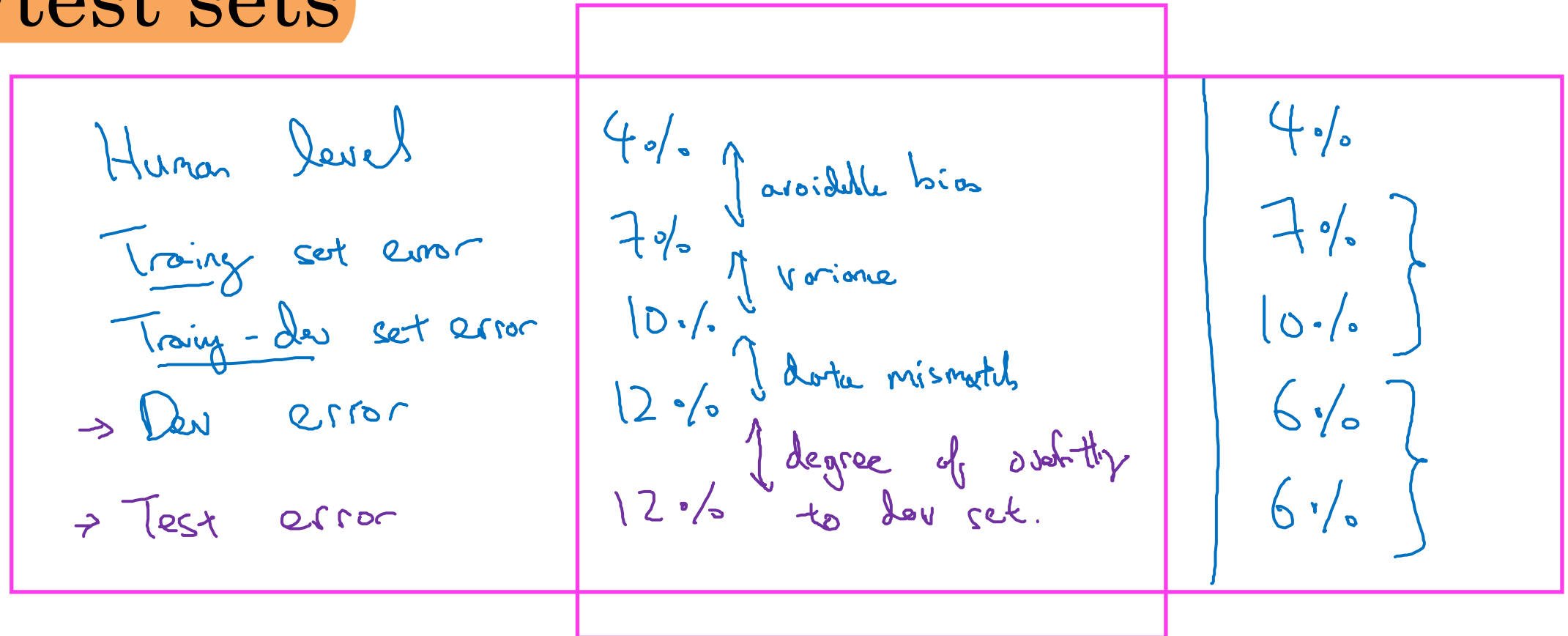
Assume humans get $\approx 0\%$ error.

Training error 1%
Dev error 10% $\downarrow 9\%$

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

Residual mirror

