



deeplearning.ai

Comparing to human-  
level performance

---

Improving your model  
performance

# The two fundamental assumptions of supervised learning

1. You can fit the training set pretty well.



Train a bigger network or training longer.

~ Avoidable bias

2. The training set performance generalizes pretty well to the dev/test set.



Regularization or getting more training data.

~ Variance

# Reducing (avoidable) bias and variance

