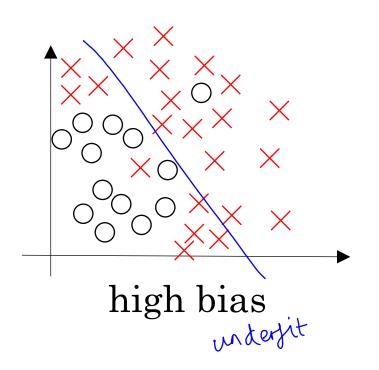
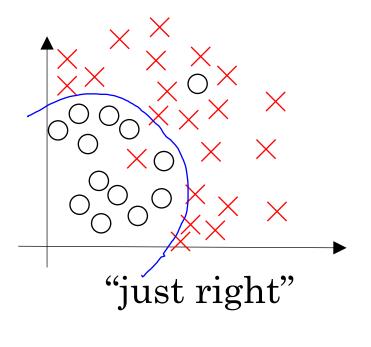


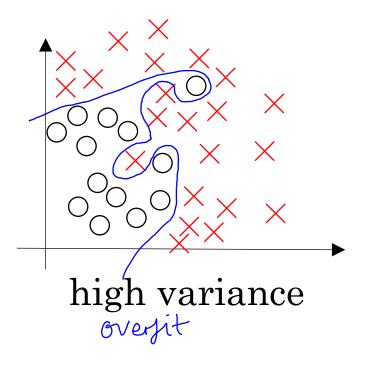
Setting up your ML application

Bias/Variance

Bias and Variance

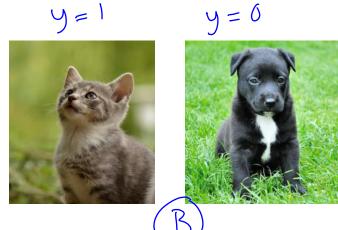






Bias and Variance

Cat classification



Train set error: 1%) => Overfit high bias high variance high variance

15% high bias 30% high variance > model is too simple + was git only to training

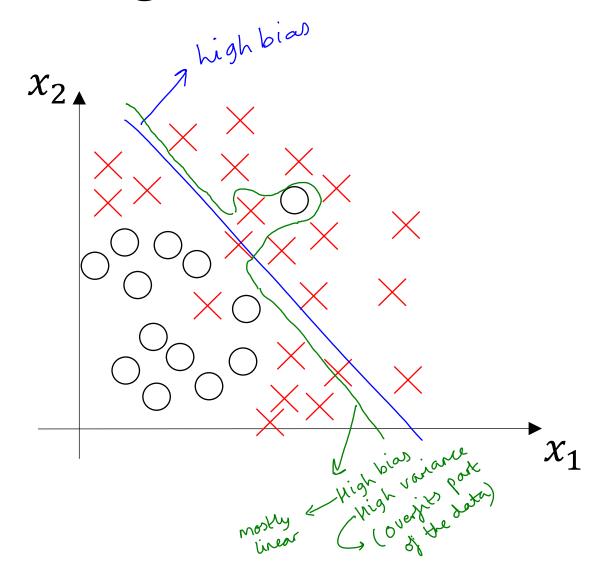
Deverror: 0.5%] low bias /

humans can differentiate b/w cat & dog almost 99 %, ie, the best damifier => Baysien/Irreducible
error is 1% has 1% error

Say Inages were Super Yours, humans, make error 15%.

J Baysein error of the time only was 15% & the only model we had out of the 4 were models BAC, then model B would be (low bias, low var) Model (-> overfitted model

High bias and high variance

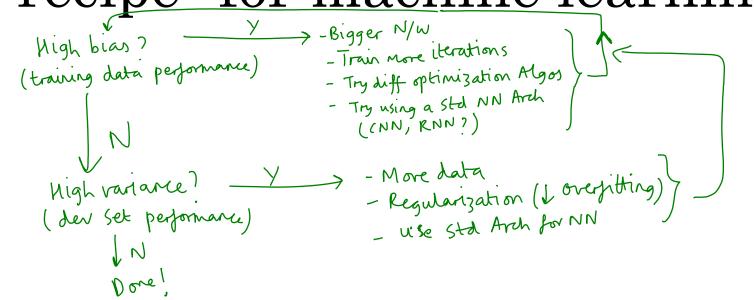




Setting up your ML application

Basic "recipe" for machine learning

Basic "recipe" for machine learning



Some obvious observations

- (1) IJ high bias model, getting more data wouldn't help (2) //ly, high variance model wont get better W/ more iterations

- Earlier, we had the bias variance tradeoff, If IT, other &

- Now IJ we have bigger N/W & More data, me can I bias & var w/o hurting the other !

Basic recipe for machine learning