

## Setting up your ML application

# Train/dev/test sets

### Applied ML is a highly iterative process

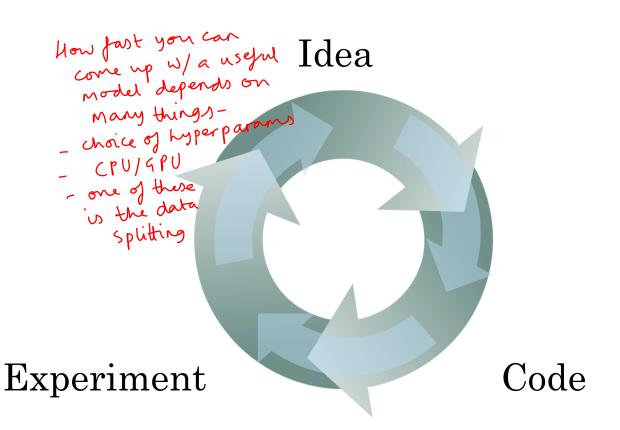
# layers

# hidden units

learning rates

activation functions

. . .



#### Train/dev/test sets - Hord out Set -cv set IJ you have 100, 1000, 10K samp then divide 60-20-20 with > IM enamples you dont want your model you dont want your model to test on 200K Samples to test on 200K Samples naybe 10K Samples are enough for test ⇒ 98:1:1 J 10B enamples ⇒ 99.5: 0.25: 0.25

#### Mismatched train/test distribution

Training set: Dev/test sets: Cat pictures from Cat pictures from users using your app webpages ( High Quality Ings from Google) (Taken W/ cheap cameras/blury images) Not the same If your model doesn't need to report completely unbiased results, then you may not need a test Set

Not having a test set might be okay. (Only dev set.)