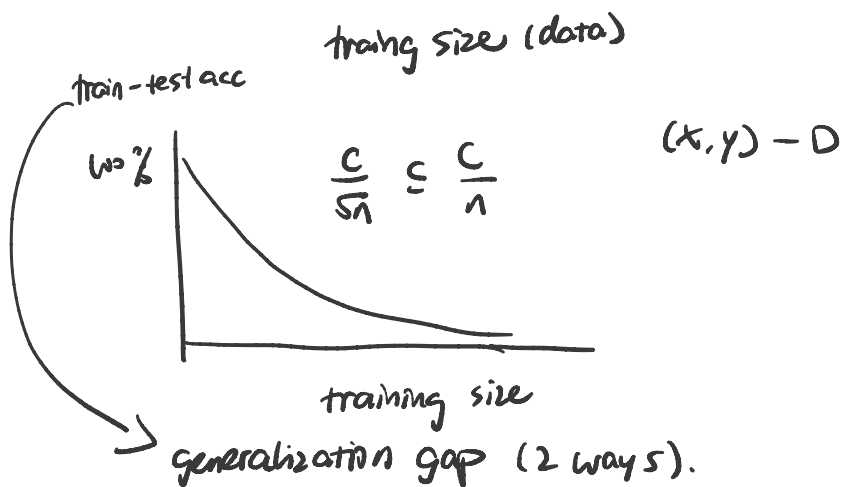
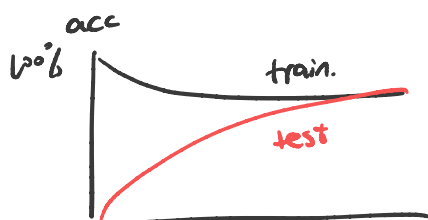
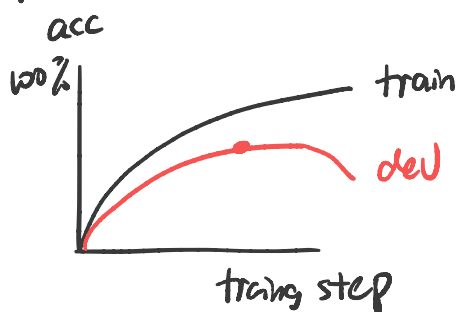


# Project



$$\frac{C}{\sqrt{n}} \leq \frac{C}{n}$$

1. slow rate  $\frac{C}{\sqrt{n}}$

2. fast rate  $\frac{C}{n}$

parameter space hypothesis.  $h \in H$ .

slow rate.

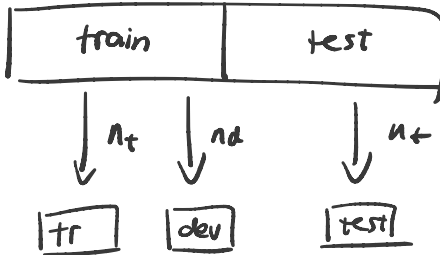
$$y = h^+(x).$$

readable.

logistic regression.

IMDb

Take subset



different size.

~~fig 2~~

50% w/o 50%

↓  
vary.

1. bidirect. maxpooling

2. multi layer.

3. logistic regression.

4. w/o. Wca.

fail early.

Train	Test
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1-acc

$$\frac{1}{\sqrt{n}} \text{ ~~fast~~ ~~fast~~ } \text{ slow}$$

patience = 10

w. thr.

m.

1-acc.

~~a~~ a + b n^c

$$c_1 + \frac{c_2}{a}$$

-0.5  $\oplus$  fast

R r

pr

Data.

"

pretrain

gc

proven

Speed up 1. Run multiple times to get acc avg  
2. smaller training size.  
3. R.

100 - 1000 step size 1000

1000 - 9000