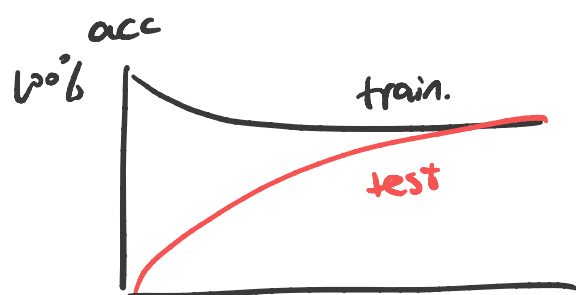
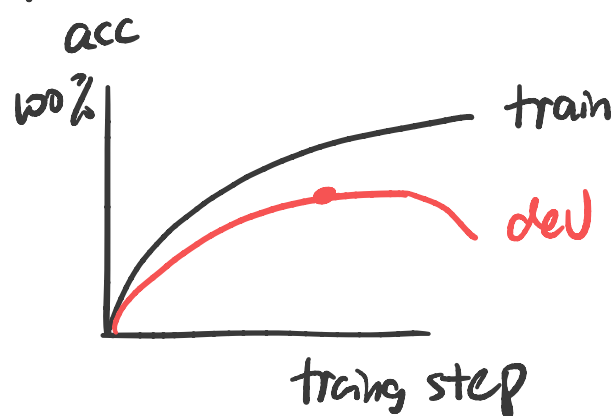
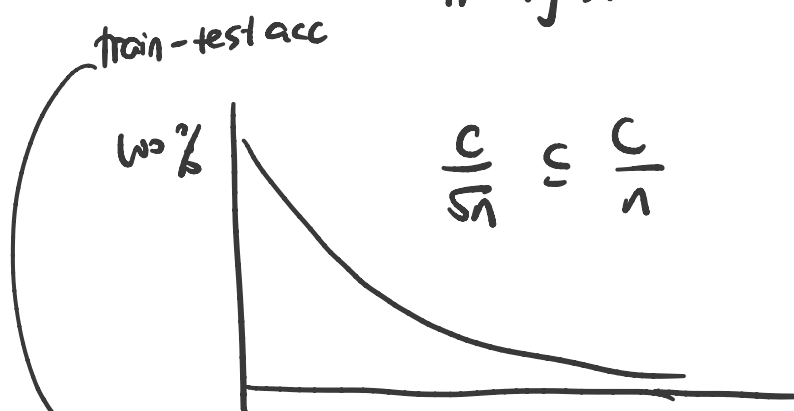


Project



training size (data)



$(x, y) - D$

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

training size

generalization gap (2 ways).

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

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

parameter space hypothesis.  $h \in H$ .

slow rate.

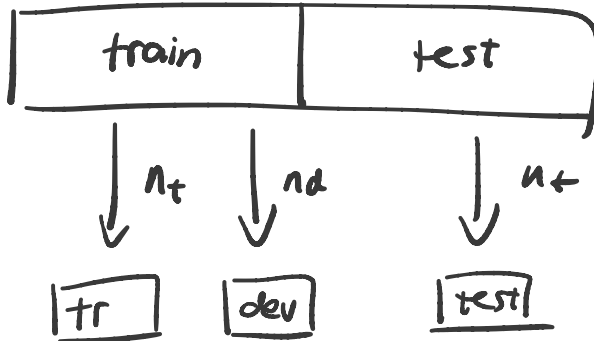
$$y = h^*(x).$$

realizable.

logistic regression.

IMDb

Take subset



different size.

Fig 1

Size will vary

↓  
vary.

1. bidirect. maxpooling

2. multi layer.

3. logistic regression.

4. new. WCA.

fail early.

