GENERALIZATION

Overfitting the model on training data produces models that generalize poorly, T.e. do a worse job on test/real data than a "worse" model (from POV of training data writ. loss for would have.

tow to handle?

- Want a model as simple as possible - Segment a fest set and evaluate

0

0

9

0

2

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2

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0

Test set assumptions:

1. Draw independently and identically

(i.i.d.) and randomly from dist.

(e.g. foshions) = 3: Always from same distribution.

The less complex a model is, the more likely It is that a good empirical result is not just due to the peculiarities of the sample.