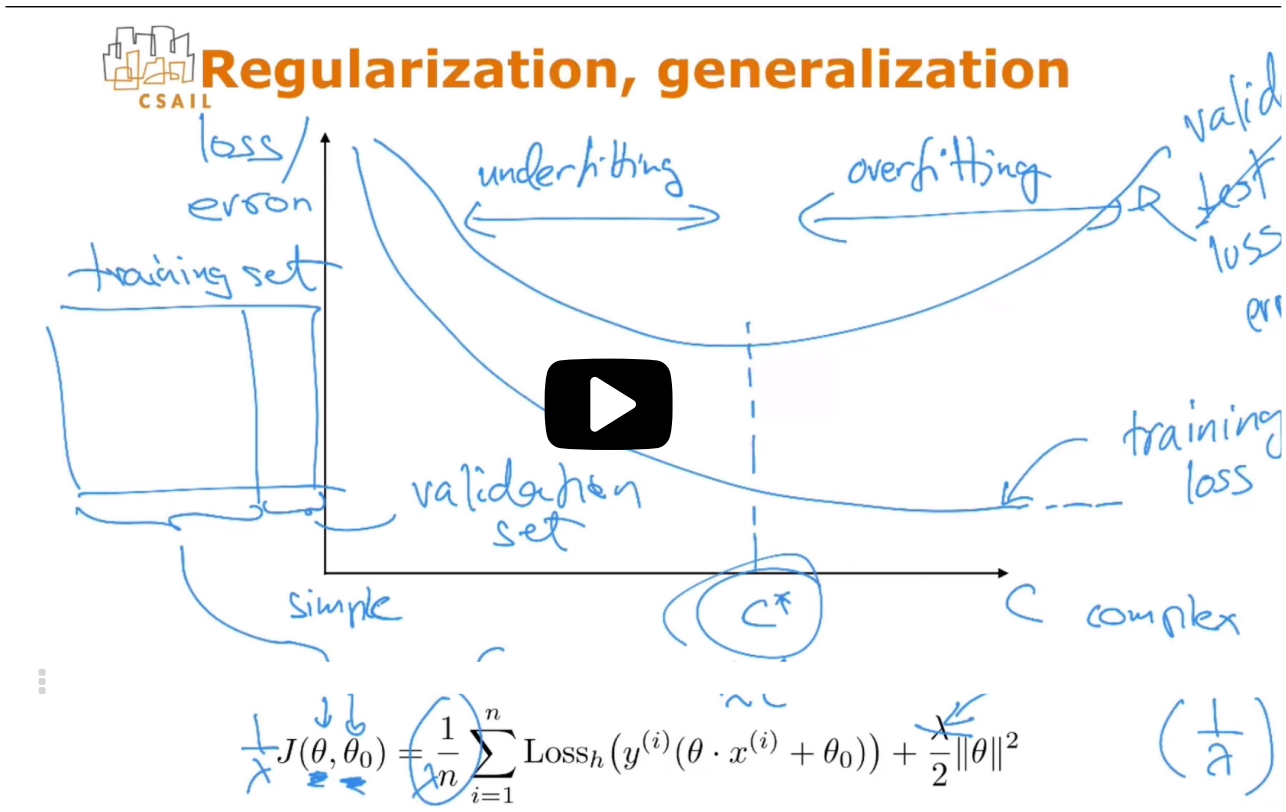
3. Regularization and Generalization
Regularization and Generalization



and error.
So instead, what we are evaluating here
is not actually the test loss and test error.
We are evaluating the large validation error.
And then we find the value of c that
actually optimizes the performance
on those pretend test examples.
So we don't get c star exactly.
But we get some estimate approximate value of c star.

▶ 7:07 / 7:07 | 1.25x | End of transcript. Skip to the start.

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Generalization 1

2/2 points (graded)
If the training loss is low and the validation loss is high, the model might be:

- underfitting
- overfitting ✔
- fits well

If the training loss is high and the validation loss is high, the model might be:

- underfitting ✔
- overfitting
- fits well

Solution:

If the model is doing very well on the training set but perform purely on the validation set, it means that it learned features that are very specific for the training set and that are not general enough.

Submit You have used 1 of 1 attempt

Answers are displayed within the problem

Discussion

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