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Machine Learning with Python-From Linear Models to Deep Learning

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6. Conceptual Questions

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Project due Nov 5, 2020 05:29 IST *Completed*

Now let's review some concepts involved in training Neural Nets.

Thinking about Network Size

1.0/1.0 point (graded)

What is the danger to having too many hidden units in your network?

☒ It will take up more memory

☒ It may overfit the training data

☒ It will take longer to train



Solution:

All of the choices are true and worth considering before enlarging your network.

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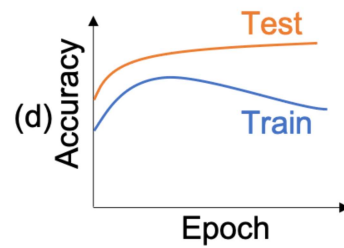
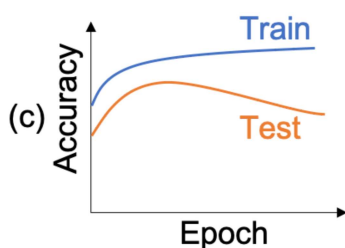
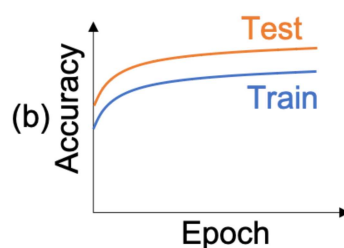
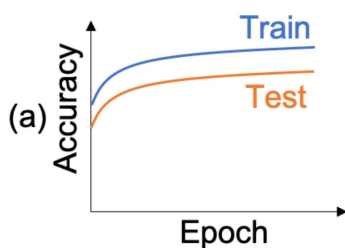
You have used 1 of 2 attempts

i Answers are displayed within the problem

Training and Testing Accuracy Over Time

1.0/1.0 point (graded)

What would happen if you run the code for more epochs in terms of training and testing accuracy? Which of the following should we expect to see?



☐ a

☐ b

☒ c

☐ d



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You have used 2 of 2 attempts

i Answers are displayed within the problem

Discussion



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Topic: Unit 3 Neural networks (2.5 weeks):Project 3: Digit recognition (Part 2) / 6.
Conceptual Questions

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-  Be careful.....Training and Testing Accuracy Over Time 4
Plz be careful....The question being asked is ACCURACY not the error variations.
-  What is the danger to having too many hidden units in your network? 13
Can someone explain to me why the answer for this is not what I chose?, i.e. Overfit and longer time. "Using too many neurons in the hi...

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