Congratulations! You passed!

 $\textbf{Grade received} \ 100\% \quad \textbf{To pass} \ 80\% \ or \ higher$

Go to next item

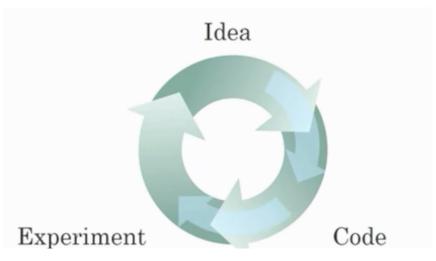
Introduction to Deep Learning

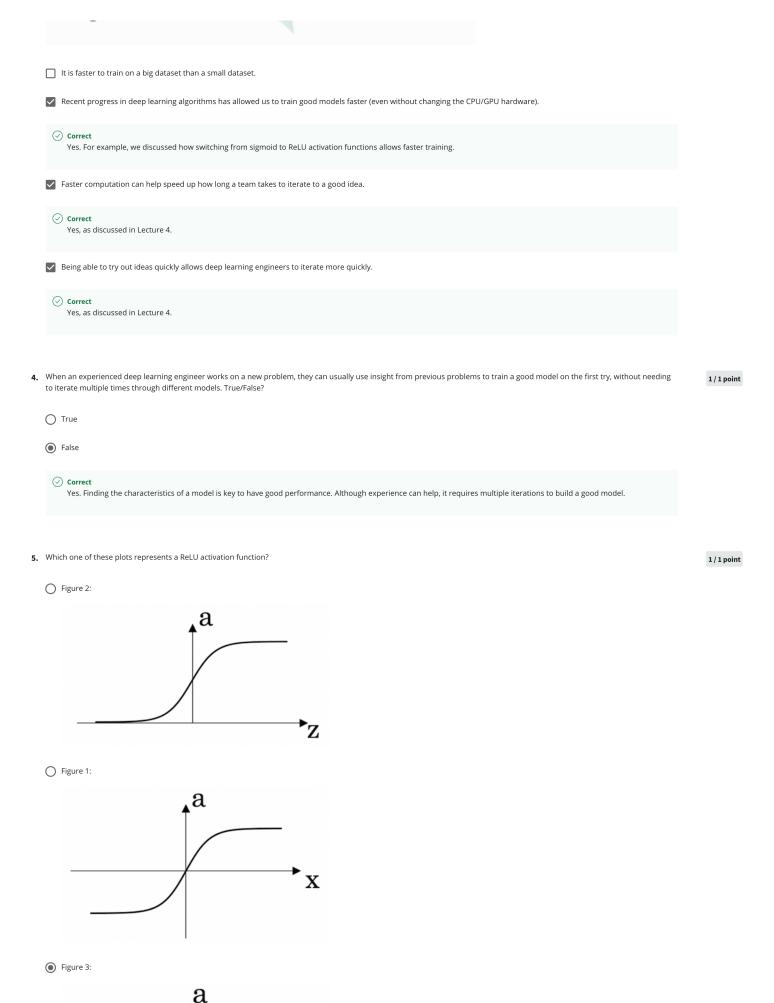
Latest Submission Grade 100%

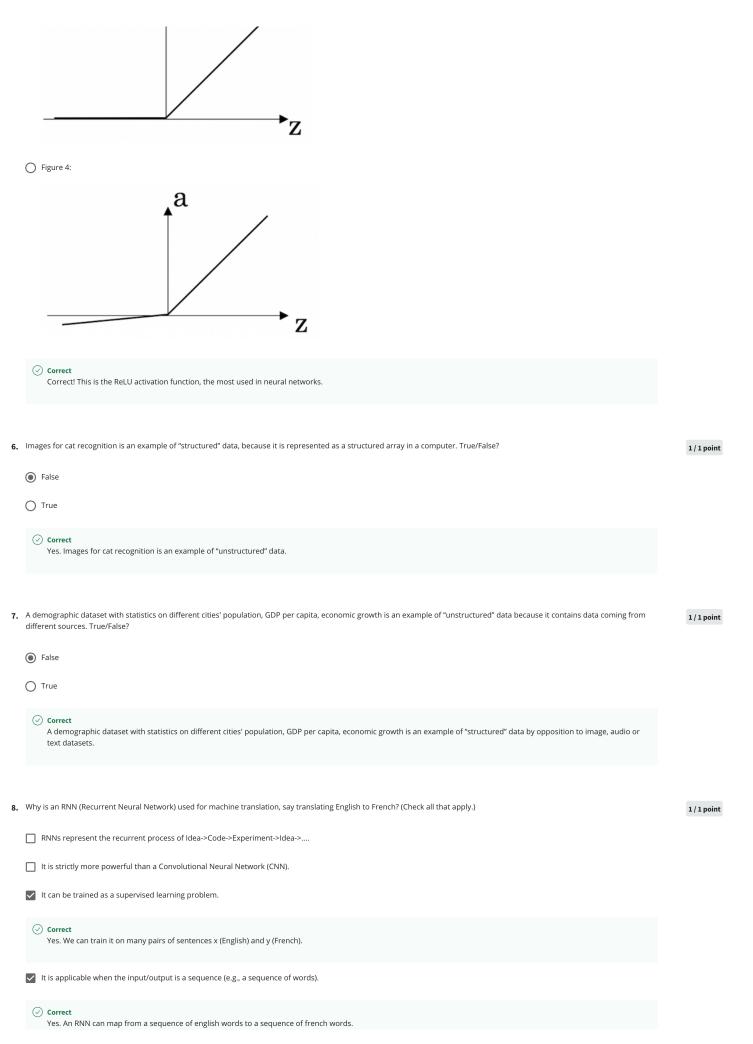
| ι. | What does the analogy "Al is the new electricity" refer to? | 1 / 1 point |
|----|--|-------------|
| | Through the "smart grid", Al is delivering a new wave of electricity. | |
| | Similar to electricity starting about 100 years ago, Al is transforming multiple industries. | |
| | Al is powering personal devices in our homes and offices, similar to electricity. | |
| | Al runs on computers and is thus powered by electricity, but it is letting computers do things not possible before. | |
| | Correct Yes. Al is transforming many fields from the car industry to agriculture to supply-chain | |
| 2. | Which of these are reasons for Deep Learning recently taking off? (Check the three options that apply.) | 1/1 point |
| | We have access to a lot more computational power. | |
| | Correct Yes! The development of hardware, perhaps especially GPU computing, has significantly improved deep learning algorithms' performance. | |
| | We have access to a lot more data. | |
| | Correct Yes! The digitalization of our society has played a huge role in this. | |
| | Neural Networks are a brand new field. | |
| | Deep learning has resulted in significant improvements in important applications such as online advertising, speech recognition, and image recognition. | |
| | Correct These were all examples discussed in lecture 3. | |

3. Recall this diagram of iterating over different ML ideas. Which of the statements below are true? (Check all that apply.)

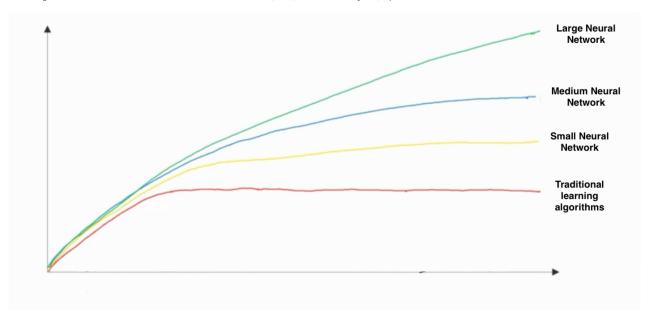








1/1 point



- x-axis is the input to the algorithm
 - y-axis is outputs.
- x-axis is the performance of the algorithm
 - y-axis (vertical axis) is the amount of data.
- x-axis is the amount of data
 - y-axis (vertical axis) is the performance of the algorithm.
- v-axis is the amount of data
 - y-axis is the size of the model you train.
- **⊘** Correct
- 10. Assuming the trends described in the previous question's figure are accurate (and hoping you got the axis labels right), which of the following are true? (Check all that apply.)

1/1 point

- Increasing the training set size generally does not hurt an algorithm's performance, and it may help significantly.
- **⊘** Correct

Yes. Bringing more data to a model is almost always beneficial.

- Decreasing the size of a neural network generally does not hurt an algorithm's performance, and it may help significantly.
- ☑ Increasing the size of a neural network generally does not hurt an algorithm's performance, and it may help significantly.
- **⊘** Correct

Yes. According to the trends in the figure above, big networks usually perform better than small networks.