

A demographic dataset with statistics on different cities' population, GDP per capita, economic

growth is an example of "structured" data by opposition to image, audio or text datasets.

sources. True/False?

Correct

✓ Correct

(y-axis) represent?

Correct

networks.

True

False

1/1分

1/1分

8. Why is an RNN (Recurrent Neural Network) used for machine translation, say translating English to French? (Check all that apply.)

✓ It can be trained as a supervised learning problem.

✓ Correct

Yes. We can train it on many pairs of sentences x (English) and y (French).

☐ It is strictly more powerful than a Convolutional Neural Network (CNN).

✓ It is applicable when the input/output is a sequence (e.g., a sequence of words).

x-axis is the input to the algorithm
 y-axis is outputs.
 x-axis is the amount of data

Yes. An RNN can map from a sequence of english words to a sequence of french words.

9. In this diagram which we hand-drew in lecture, what do the horizontal axis (x-axis) and vertical axis

RNNs represent the recurrent process of Idea->Code->Experiment->Idea->....

 y-axis (vertical axis) is the performance of the algorithm. x-axis is the amount of data y-axis is the size of the model you train. x-axis is the performance of the algorithm y-axis (vertical axis) is the amount of data. 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.) Decreasing the size of a neural network generally does not hurt an algorithm's performance, and it may help significantly. Decreasing the training set size generally does not hurt an algorithm's performance, and it may help significantly. 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. Increasing the size of a neural network generally does not hurt an algorithm's performance, and it may help significantly.

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