MITx 6.86x

Machine Learning with Python-From Linear Models to Deep Learning

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3. Why we need RNNs

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Exercises due Mar 29, 2023 08:59 -03   Completed
Why we need RNNs

[▶]

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Video
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Video Quiz: Why We Need RNNs

1/1 point (graded)
As we saw in the previous problem, it is possible to use feed-forward networks for pred
temporal sequences. However, there is a reason why recurrent neural networks can be
forward networks when it comes to temporal sequences. In general, RNNs automaticall
that need to be engineered with feed-forward networks. What are some of these issue

○ How do we deal with the time complexity if the feature vector is very long?

◉ How many time steps back should we look at in the feature vector?

○ How do we calculate the mean and the variance inside the sliding window?

✔

✖

All of the above tasks that you selected should use the same vector representation of t

○ true

⦿ false

✔

In order to accomplish the tasks you selected above, which two steps are necessary?

☑ mappin   ‹ Previous   c   Next ›

☐ mapping a vector to a prediction

☐ mapping a prediction to a sequence

✖

Submit   You have used 2 of 2 attempts

Vector Representations

1/1 point (graded)

Only textual information, such as words and sentences, can be turned into vectors or m

○ true

⦿ false

✔

Submit   You have used 1 of 1 attempt

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