Kahoot!

DL Lecture Quiz 7 (2021)

1 play · 51 players

🌀 A public kahoot

Questions (8)

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1 - Quiz

RNNs learn ...   30 sec

🔺	similar models at each time step	✗
🔷	different models at each time step	✗
🟡	the same shared model at each time step	✓
🟩	independent models at each time step	✗

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2 - Quiz

What sequence to sequence mapping is usually used in image captioning?   20 sec

🔺	one to many	✓
🔷	many to one	✗
🟡	many to many	✗
🟩	one to one	✗

3 - Quiz

What sequence to sequence mapping is usually used in sentiment classification?

10 sec

🔺	one to many	✗
🔷	many to one	✓
🟡	many to many	✗
🟩	one to one	✗

4 - Quiz

Teacher forcing can generally be used to train ...

30 sec

🔺	RNNs having only recurrent connections between hidden states	✗
🔷	RNNs having only recurrent connections from outputs to hidden states	✓
🟡	RNNs having an output only at the final step	✗
🟩	Bidirectional RNNs	✗

5 - Quiz

Which of the following are RNN architectures?

30 sec

🔺	Neural Turing Machines	✓
🔷	BPTT	✗
🟡	LSTM	✓
🟩	AlexNet	✗

6 - Quiz

Which of the following can help alleviate vanishing gradients?

20 sec

- ▲ Gradient Clipping — ✗
- ◆ Truncated BPTT — ✓
- ⬤ LSTMs — ✓
- ◻ Reducing the learning rate — ✗

7 - Quiz

LSTMs are better than vanilla RNNs in what sense?

30 sec

- ▲ they are easier to train — ✓
- ◆ they can more easily model longer-term dependencies in the sequence — ✓
- ⬤ they can more easily forget not useful information — ✓
- ◻ they do not have recurrence — ✗

8 - Quiz

Echo State Networks: The weights of the connections in the hidden part (reservoir) are typically

20 sec

- ▲ trained using teacher forcing — ✗
- ◆ trained using BPTT — ✗
- ⬤ fixed during training — ✓
- ◻ trained using linear regression — ✗