

# CDS Week 12

Points: 10/10

✓ **Correct** 2/2 Points

1. Does the dimension of the LSTM weights depend on the sequence length? \*



- ☐ Yes, sometimes.
- ☐ Yes, always.
- ☒ No
- ☐ LSTM is not a sequential network, hence this question is not valid.

✓ **Correct** 2/2 Points

2. Softmax can be used in \*



- ☐ Binary classification
- ☐ Multiclass classification
- ☐ None of 1 and 2
- ☒ Both 1 and 2 are valid

✓ **Correct** 2/2 Points

3. The output of sigmoid activation is in the range of \* 

☐ [2,4]

☒ [0,1]

☐ [-1,1]

☐ [0,x]

✓ **Correct** 2/2 Points

4. Do we need position embedding in Transformers? \* 

☒ Yes

☐ No

✓ **Correct** 2/2 Points

5. Gradient clipping is used for \* 

☐ To prevent vanishing gradient

☒ To prevent exploding gradient



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