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Lecture 11. Recurrent Neural

<u>Course</u> > <u>Unit 3 Neural networks (2.5 weeks)</u> > <u>Networks 2</u>

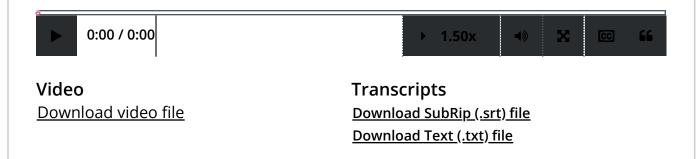
2. Markov Models

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2. Markov Models Markov Models



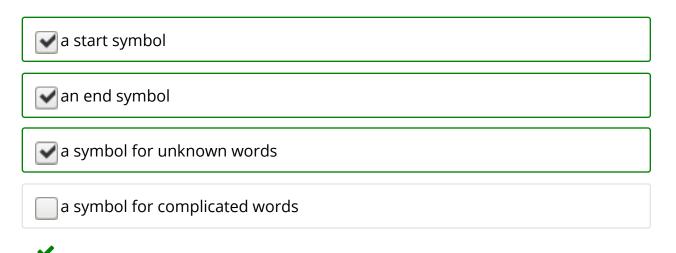


Markov Symbols

1/1 point (graded)

To specify a Markov language model, what additional symbols do we need to add to our set of possible symbols?

(Choose all that apply.)





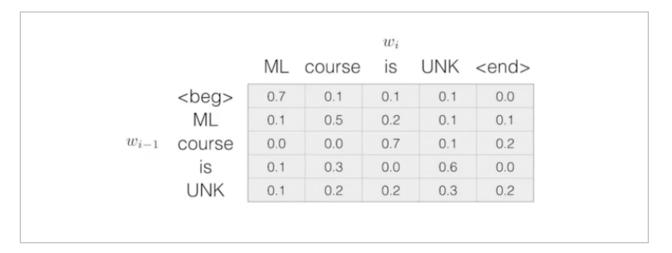
You have used 1 of 2 attempts



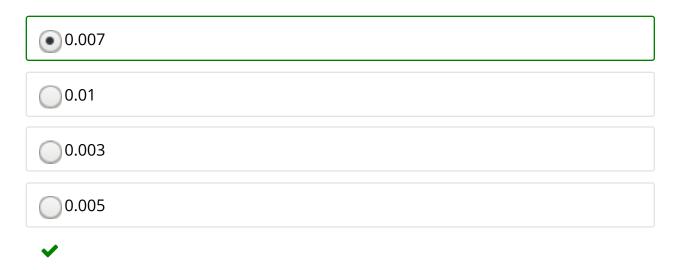
✓ Correct (1/1 point)

Transition Probabilities

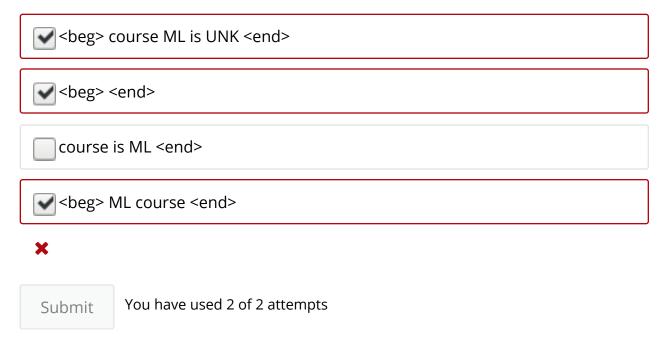
1/2 points (graded)



Using a first order Markov model specified above, what is the probability of generating the following sentence <beg> ML course UNK <end>?



Which of the following sentences are possible to generate? (Choose all those apply.)



Partially correct (1/2 points)

Maximum Likelihood

1/1 point (graded)

Suppose our training examples are the following three sentences.

ML courses are cool.

Humanities courses are cool.

But some courses are boring.

Using a bigram model, what is the maximum likelihood estimate for the probability that the next word is 'cool', given that the previous word is 'are'?

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