Lecture 1.9b & 1.10 Review Quiz

Due Nov 7 at 8:30am **Points** 6 **Questions** 6 **Time Limit** None

Instructions

This is a review quiz for lecture 1.9b material on 11/2. Note that you need to complete the quiz in order to receive a grade, but the score themselves will not be counted towards the grade.

Attempt History

	Attempt	Time	Score
LATEST	Attempt 1	5 minutes	2 out of 6

Submitted Nov 6 at 9:29pm

Question 1

0 / 1 pts

How does the Viterbi algorithm and forward-backward algorithm compare in terms of time complexity?

orrect Answer

- They have the same time complexity

'ou Answered

- Forward-backward algorithm has a faster time complexity

- Viterbi algorithm has a faster time complexity

- The answer depends on the data

Question 2

0 / 1 pts

In forward-backward algorithm, $\alpha_1(S_i) = \pi_i$ for all i

'ou Answered

- (•) True

orrect Answer

- ( ) False

Question 3

1 / 1 pts

In the forward-backward algorithm, $\beta_T(S_i) = 1$ for all i

Correct!

- (•) True
- ( ) False

Question 4

0 / 1 pts

In HMM, $\Pr(o_1, \ldots, o_t | q_t, q_{t+1}) = \Pr(o_1, \ldots, o_t | q_t)$

orrect Answer

- ( ) True

'ou Answered

- (•) False

Question 5

1 / 1 pts

In HMM, $\mathbf{Pr}(o_1, \ldots, o_T | q_t) = \mathbf{Pr}(o_1, \ldots, o_t | q_t)\, \mathbf{Pr}(o_{t+1}, \ldots, o_T | q_t)$

- ○ True
- ◉ False

Correct!

Question 6

0 / 1 pts

To install a package shared on a public GitHub repository, you must create an account in GitHub first.

- ◉ True

'ou Answered

- ○ False

orrect Answer