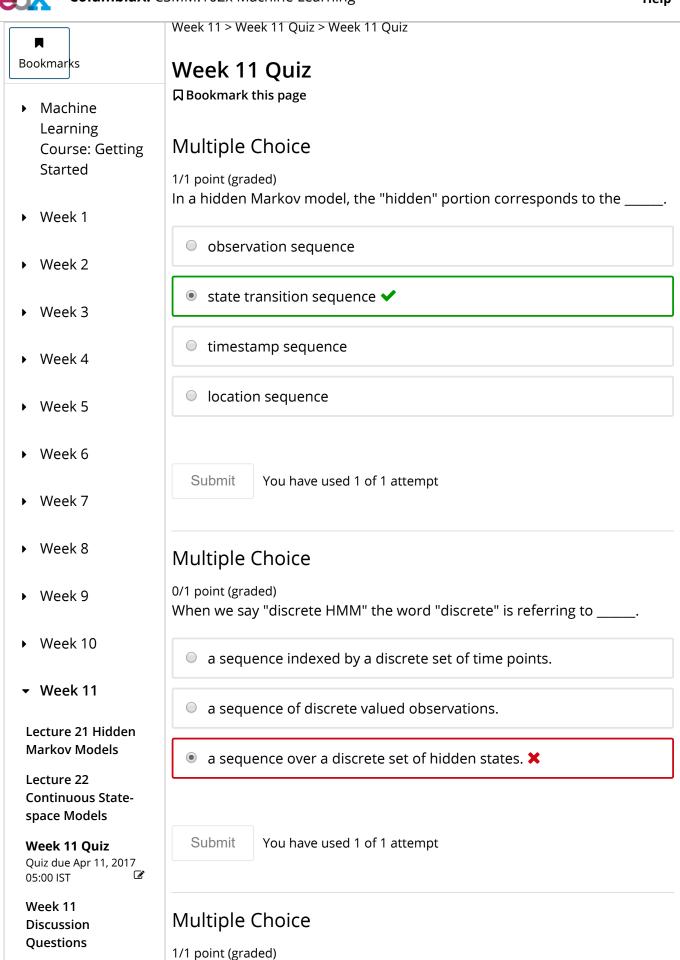


ColumbiaX: CSMM.102x Machine Learning

Help



True or False: A continuous hidden Markov model can be thought of as a

● TRUE ✔	
O FALSE	
Submit	You have used 1 of 1 attempt
Multiple	Choice
	ded) -backward algorithm used for state (1), while the Viterbi used for state (2).
● (1) esti	mation, (2) sequence learning 🗸
(1) seq	uence learning, (2) estimation
Submit	You have used 1 of 1 attempt
Multiple	Choice
/1 point (gra	
I/1 point (gra n using the 	ded)
I/1 point (grand) I/1 point (g	ded) EM algorithm to estimate the HMM, we are integrating out
I/1 point (grain using the the init	ded) EM algorithm to estimate the HMM, we are integrating out tial state distribution

Checkboxes

1/1 point (graded)

As discussed in class, in a continuous state Markov model, which of the following are not learned?

- the state transition distribution
- the observation distribution
- the hidden state sequence
- ✓ the initial state location



Submit

You have used 1 of 1 attempt

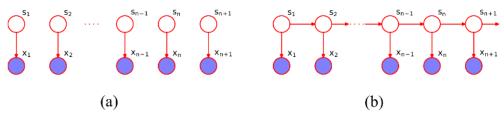
✓ Correct (1/1 point)

Text Input

4.0/4.0 points (graded)

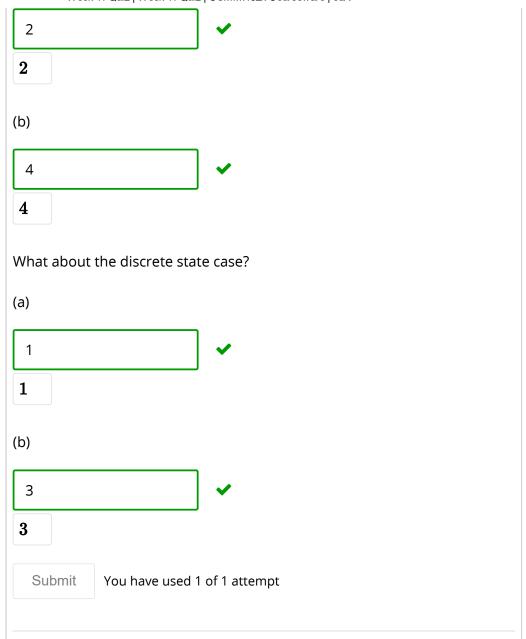
Looking at the figure below, consider the following four models we discussed in the lectures:

- 1. Gaussian mixture model
- 2. Probabilistic PCA
- 3. Continuous HMMs
- 4. Linear Gaussian Markov models



In the continuous state case, enter the number of the model that corresponds to

(a)



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