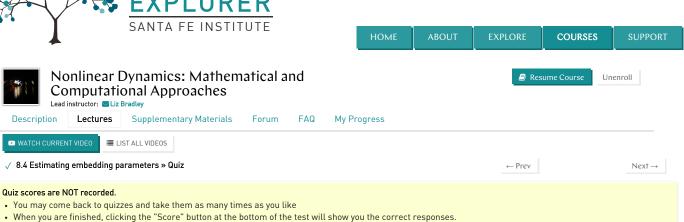
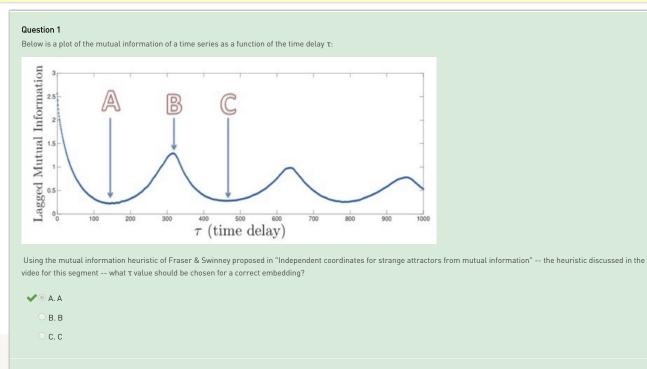
6/3/2020

Raiesh Shashi Kumar Logout







Question 2

The τ suggested by this heuristic is the $\mathit{only}\,\tau$ that will provide a faithful reconstruction according to Takens theorem.

A. True

✓ ⑤ B. False

What is the logic behind choosing $\boldsymbol{\tau}$ at the value marked "A" in the figure?

- A. Minimizing shared information between coordinates while allowing enough lag between coordinates to 'unfold' the dynamics more fully.
- \checkmark \circ B. The smallest au that minimizes the shared information between coordinates.
 - C. Maximizing shared information between coordinates while obeying the theoretical $[\tau \rightarrow 0]$ constraints.

Question 4

What is the logic behind choosing $\boldsymbol{\tau}$ at the value marked "B" in the figure?

- 🗶 🔘 A. Minimizing shared information between coordinates while allowing enough lag between coordinates to 'unfold' the dynamics more fully.
 - B. The smallest τ that minimizes the shared information between coordinates.
 - C. Maximizing shared information between coordinates while obeying the theoretical $(\tau \to 0)$ constraints

Question 5

	Complexity Explorer
	behind choosing τ at the value marked "C" in the figure?
	iizing shared information between coordinates while allowing enough lag between Ites to 'unfold' the dynamics more fully.
O B. The sr	mallest τ that minimizes the shared information between coordinates.
Constrair	nizing shared information between coordinates while obeying the theoretical ($ au o0$) nts.
Question 6 In the following f	figure (taken from the original paper on the false near neighbor method), which pairs of points would be considered "false neighbors"?
2.0 1.0 1.0 -1.0 -2.0	-1.0 0.0 1.0 2.0 X(n)
○ I. A and C ○ II. A and ○ III. B and	В
○ IV. A, B, a	and C
✓ ♥ V. II and	
O VI. None	of the above
Overtis - 7	
	se-near(est) neighbors between dimension m and dimension $m+1$ is less than 10%, that provides theoretical proof that m satisfies the conditions of the Takens theorem on structed attractor is diffeomorphic to the original attractor.
O A. True	
✓ B. False	