

START OF QUIZ

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Question 1

Topic: Lecture 7

Source: Lecture 7

Generate a frame for a "recommend a movie" dialogue action. It should have at least 5 slots to fill. (2)

Question 2

Topic: Lecture 6

Source: Lecture 6

What tools are necessary to extract an RDF triple from a question? Provide at least 2, and briefly explain. (1)

Question 3

Topic: Lecture 5

Source: Lecture 5

Briefly describe a “factoid-based” question, and one way that a QA system might answer it.
(1)

Question 4

Topic: Lecture 6

Source: Lecture 6

What is the focus of the following question: “Do you know when Jaws was released”? (1)

Question 5

Topic: Lecture 8

Source: Lecture 8

We waited until the last week of classes to talk about policy-making systems (like the one in ChatGPT), but several other systems you've looked at over the program could be considered to have a policy algorithm in place. Briefly describe one, and how you view it as a decision policy. (2)

Question 6

Topic: Lecture 7

Source: Lecture 7

Imagine that we have a great dialogue Q/A system that can fill slots with ease, and return relevant answers with high probability. However, our ASR system is pretty bad (it does really poorly with accents that are not "General American"). The model was trained on standard English text. Describe a few of the errors you can imagine the system making, and how we can improve the quality of our model (assume we can't improve the ASR). (2)

Question 7

Topic: Lecture 5

Source: Lecture 5

How does Bert deal with the potentially infinite vocabulary required to answer questions? (1)

Question 8

Topic: Lecture 8

Source: Lecture 8

Explain why we train BERT dialogue systems with delexicalized entries. (1)

Question 9

Topic: Coding

Source: Lecture 5

Imagine that we are using a Q/A system for movie recommendation (by asking questions like “What is a good movie like Shawshank Redemption?”). Bert is likely not going to be sufficient to answer this question. Describe how you could modify the Bert Q/A reader to find good answers. (3)

END OF QUIZ