

START OF QUIZ

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Question 1

Topic: Lecture 3

Source: Lecture 3

What are the benefits of using adapter layers instead of fine-tuning? (1)

Question 2

Topic: Lecture 2

Source: Lecture 2

What is the intuition behind transfer learning? (1)

Question 3

Topic: Lecture 1

Source: Lecture 1

Many languages lack a standardized writing system. How does this impact the creation of NLP tools, and how might we approach building CL tools for such languages? (1)

Question 4

Topic: Lecture 1

Source: Lecture 1

Many languages are losing speakers over time. Briefly describe why this might be happening, and how NLP is contributing to this effect. (1)

Question 5

Topic: Lecture 4

Source: Lecture 4

Could you implement Viterbi as an extension of the forward-backward algorithm? What additional constraints might be needed, if so? (1)

Question 6

Topic: Lecture 4

Source: Lecture 4

I briefly mentioned the idea of silver data and bootstrapping in class. What do you think are the limits of silver data? Can you think of any ways to counter them? (2)

Question 7

Topic: Lecture 3

Source: Lecture 3

Imagine that we find a database lying around, and it's been very poorly maintained and documented. All we know is that it contains word embeddings for a language written in Arabic script (assume we can't read it, and the only Arabic speakers we know also can't read it - it's in a language they don't know). How might we go about trying to identify the language that it's written in, without finding speakers of all of the Arabic-derived languages? (2)

Question 8

Topic: Lecture 2

Source: Lecture 2

Isolate languages do not have any known related languages (Ainu, X̣aat Kíl, and Klingon are some examples). How might you approach using cross-lingual transfer for an isolate? (2)

Question 9

Topic: Long

Source: Lecture 4

I'm working with a few field linguists who have been annotating a low-resource language for the last year, and they present me with their “huge” dataset of 1000 annotated sentences, assuming I can create a 95

END OF QUIZ