

START OF QUIZ

Student ID:

97713317, Song, Shawn

Question 1

Topic: Lecture 5

Source: Lecture 5

Describe the difference between parallel and pseudo-parallel. (1)

Question 2

Topic: Lecture 5

Source: Lecture 5

How is the embedding space of MLLMs different from an aligned monolingual space? How is it similar? (1)

Question 3

Topic: Lecture 6

Source: Lecture 6

From your perspective, what is the biggest advantage and disadvantage of open-source models? (1)

Question 4

Topic: Lecture 8

Source: Lecture 8

How does silver data differ from synthetic data? (1)

Question 5

Topic: Lecture 8

Source: Lecture 8

Explain the role of clustering when performing self-training? (1)

Question 6

Topic: Lecture 7

Source: Lecture 7

We discussed active learning with respect to classification, but what about regression tasks? What similarities / differences might make active learning suitable or unsuitable to regression? (2)

Question 7

Topic: Lecture 6

Source: Lecture 6

L1 interference is a phenomenon whereby L2 language learners make use of properties of their L1 when speaking an L2. Phonetically, this can present as an accent, but it can also impact syntax. Describe this process as if humans were doing projection. (2)

Question 8

Topic: Lecture 7

Source: Lecture 7

You've been using AL with multiple annotators. As a sanity check, you have several instances labeled by multiple annotators, but find that the annotations are inconsistent. How can you remedy the problem and select good examples, without knowing the language you are having annotated? (2)

Question 9

Topic: Long

Source: Lecture 5

Imagine you're working on adapting a multilingual LLM for a government that wants it to operate fluently in 10 national languages, including both high- and low-resource languages, and avoid colonial-language bias. Describe a fine-tuning and evaluation pipeline that could help adapt the model fairly across languages. What ethical and linguistic challenges might arise, and how would you mitigate them? How would you include community feedback in the loop? (3)

END OF QUIZ