START OF QUIZ
Student ID: 31003346,De Jager,Rachelle

Question 1

Topic: Lecture 5
Source: Lecture 5

What are the key differences between BERT and BART, and what concept from DSCI 563 does BART imitate? (1)

Question 2

Topic: Lecture 8
Source: Lecture 8

How does ICL differ from fine-tuning? (1)

Question 3

Topic: Lecture 5
Source: Lecture 5

Describe the purpose of a language tag. (1)

Question 4

Topic: Lecture 7
Source: Lecture 7

Explain how QbC is similar to ensembling, and how it differs. (1)

Question 5

Topic: Lecture 6
Source: Lecture 6

From your perspective, what is the biggest advantage and disadvantage of open-source models? (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 8
Source: Lecture 8

Imagine that we have *no* annotated data for a particular task. How might be address this problem with in-context learning and active learning? (2)

Question 8

Topic: Lecture 6
Source: Lecture 6

In the lab, you likely saw that a certain part took much longer than others, and produced noisy output. How might you adjust your strategy, speed up the methodology, and what simple tools could you use to decrease noise? (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