

| Which of the following inputs could be used for the BERT model?  | 1/1 point |
|--|-----------|
| ○ Question/Answer  |           |
| O Article/Summary  |           |
| O Hypothesis/Premise   |           |
| All of the above   |           |
| ○ Correct Correct.   |           |
|  |           |
| How does the prefix language model attention work in the T5 model?   | 1/1 point |
| O It only uses causal attention through out.   |           |
| It uses bidirectional attention for the inputs (i.e. X's) and causal attention mapping the outputs (Y's ) at time  |           |
| t, to all the previous X's and outputs before timestep t.  |           |
| O It uses bidirectional attention for the X's and the Y's.   |           |
| O It uses an encoder decoder attention.  |           |
| ⊙ Correct<br>Correct.  |           |
| Correct  |           |
|  |           |
| When training these lates NLP models, you end up training a model that can do many tasks. For example, you<br>usually have data for sentiments, QA, chatbot, summarization, etc. The question now is how do you combine the<br>datasets using temperature scaled mixing? | 1/1 point |
| O You will sample in proportion to the size of each task's dataset.  |           |
| You will adjust the "temperature" of the mixing rates. This temperature parameter allows you to weight   |           |
| certain examples more than others. When T = 1, this approach is equivalent to examples-proportional<br>mixing and as T increases the proportions become closer to equal mixing.  |           |
| Each example in each batch is sampled uniformly at random from one of the datasets you train on.   |           |
| You will just use the data for the specific task you are training on.  |           |
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| When doing fine-tuning, how do adapter layers work?  | 1/1 point |
| It allows you to add a new layer and then you only fine-tune the new layer you added.  |           |
| O You freeze only the last layer, and then you gradually unfreeze each layer as you modify and fine-tune each layer starting from the end.   |           |
| O You freeze half the layers, and then you gradually unfreeze each layer as you modify and fine-tune one at a time.  |           |
| You just take the pre-trained weights and start fine tuning on all of them in one go.  |           |
| ⊙ correct  |           |
|  |           |
| Correct.   |           |
|  |           |
|  | 1/1 point |
| Correct.   | 1/1 point |
| Correct.  Which of the following is not evaluated using the GLUE benchmark?  | 1/1 point |
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