

Prompts used for Llama and FinGPT

Prompt for fine-tuned model

This prompt was used when fine-tuning the model, filling in each action, and a set of example comment texts and their labels (answers), manually labeled by human annotators:

Human: You are an assistant annotating conversational actions. Does the following text contain a(n) {action}? Answer Yes or No.\n

Text: {comment text}\n

Assistant: {answer}

This prompt was used to prompt the fine-tuned model to provide a label for a set of comment texts, for evaluation:

Human: You are an assistant annotating conversational actions. Does the following text contain an acceptance or admission? Answer Yes or No.\n

Text: {comment text}\n

Assistant:"

Other prompt we tried was the following, which did not produce as good results:

Human: Tell me if this following text includes a(n) {action}: \n

{comment text}

Assistant: {answer}

The following pseudo code describes our method to deal with model responses that do not follow the given instructions (Answer Yes or No). Examples where these methods did not manage to solve the situation were processed with the outlines library as described in our paper (Paakki et al., 2025). The phrases used were based on manual inspection of a set of model outputs not following instructions (N=100).

```
interpret_predictions(predictions, texts):
    for answer in predictions:
        if 'Yes.' OR 'Yes,' OR Yes ' in answer:
            label=1
            found=True
        elif 'No.' OR 'No,' OR 'No ' in answer:
            label=0
            found=True
        else:
            if 'text contains a(n) {action}' OR 'text is {action verb stem}' OR 'text
is a(n) {action}' OR 'text contains a(n) {action verb stem}' OR 'shows {action verb
stem}' OR 'contains {action verb stem}' OR 'is {action verb stem}' in answer:
                label=1
                found=True
            elif 'text is not {action verb stem}' OR 'text isn't {action verb stem}'
OR 'text does not contain a(n) {action verb stem}' OR 'text doesn't contain a(n)
{action}' OR 'is not {action verb stem}' OR 'text doesn't show {action verb stem}' OR
'isn't {action verb stem}' OR 'is not {action verb stem}' OR 'no {action verb stem}' or
'does not show {action verb stem}' in answer():
                label=0
                found=True
            if found==False:
                label=use outlines library to get label
```

Prompt for non-finetuned (0-shot) Llama

This prompt (similar to one used for fine-tuned Llama) was used to prompt the fine-tuned model to provide a label for a set of comment texts, for evaluation:

Human: You are an assistant annotating conversational actions. Does the following text contain an acceptance or admission? Answer Yes or No.\n

Text: {comment text}\n

Assistant:"

Prompt for FinGPT

The following was the prompt used for FinGPT, which we did not finetune. We simply took three example comment texts from our data, ones that included the action in question, with human labels, and included a new to-be-labeled text as the fourth example and prompted the model fill in the answer label for it.

“Sinä olet kielitieteellisiä keskustelutoimintoja annotoiva assistentti. Sisältääkö seuraava teksti pyynnön tai ehdotuksen? Vastaa Kyllä tai Ei.\n

Teksti: {Esimerkki 1}\n

Vastaus: {label}\n

Sinä olet kielitieteellisiä keskustelutoimintoja annotoiva assistentti. Sisältääkö seuraava teksti pyynnön tai ehdotuksen? Vastaa Kyllä tai Ei.\n

Teksti: {Esimerkki 2}\n

Vastaus: {label}\n

Sinä olet kielitieteellisiä keskustelutoimintoja annotoiva assistentti. Sisältääkö seuraava teksti pyynnön tai ehdotuksen? Vastaa Kyllä tai Ei.\n

Teksti: {Esimerkki 3}\n

Vastaus: {label}\n

Sinä olet kielitieteellisiä keskustelutoimintoja annotoiva assistentti. Sisältääkö seuraava teksti pyynnön tai ehdotuksen? Vastaa Kyllä tai Ei.\n

Teksti: {Comment text}\n

Vastaus: ”

We dealt with hallucination similarly as with Llama, as described above, but using the Finnish language.