One Question tests

Generic instruction: “What is the relationship between the premise and the hypothesis? Entailment, contradiction,or neutral? Premise: {Premise}. Hypothesis: {Hypothesis}”

Fewshot template:

Here’re some examples:

“What is the relationship between the premise and the hypothesis? Premise: {Premise}. Hypothesis: {Hypothesis}

{formatted answer}

…

“What is the relationship between the premise and the hypothesis? Premise: {Premise}. Hypothesis: {Hypothesis}

{formatted answer}

| zeroshot\_nfi | scenarios | template |  | Num example | model | count |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 |  | 1 | 2 | 4 |
| 1QI |  |  | 0 | gpt4, gpt3.5 |  |
| fewshot\_nfi | scenarios | template |  | Num example | model | count |
| 1 | 2 |  | 2 | 2 | 8 |
| 1QI |  |  | 1,3 | gpt4, gpt3.5 |  |
| zeroshot\_fi | scenarios | template | fi | Num example | model | count |
| 3 | 2 | 2 | 1 | 2 | 24 |
| 2QI+FI  3FI+QI  4QI FI |  |  | 0 | gpt4, gpt3.5 |  |
| fewshot\_fi | scenarios | template | fi | Num example | model | count |
| 3 | 2 | 2 | 2 | 2 | 48 |
| 2QI+FI  3FI+QI  4QI FI |  |  | 1,3 | gpt4, gpt3.5 |  |
| total |  |  |  |  |  | 4+8+24+48=  84 |

NLI base: get a string of answers of ‘entailment’, ‘contradiction’, ‘neutral’

FI: “Answer from one of these choices: ‘entailment’, ‘contradiction’, ‘neutral’

Example:

user input:

Premise: Conceptually cream skimming has two basic dimensions - product and geography.. Hypothesis: Product and geography are what make cream skimming work. What is the relationship between the premise and the hypothesis? Just answer with one word, choose your answer from 'entailment', 'contradiction',or 'neutral'.

assistant input:

Here're some examples:

Premise: You're mad.. Hypothesis: You are still sane. What is the relationship between the premise and the hypothesis? 'contradiction'

response: Premise: Conceptually cream skimming has two basic dimensions - product and geography. Hypothesis: Product and geography are what make cream skimming work. What is the relationship between the premise and the hypothesis? 'entailment'

NLI list: [‘entailment’], [‘contradiction’], [‘neutral’]

FI: “Answer from one of these choices: ‘entailment’, ‘contradiction’, ‘neutral’, and put the answer into a list”

Example:

user input:

Premise: Conceptually cream skimming has two basic dimensions - product and geography.. Hypothesis: Product and geography are what make cream skimming work. What is the relationship between the premise and the hypothesis? Just answer with one word, choose your answer from 'entailment', 'contradiction', or 'neutral'. Put the answer in a python list.

assistant input:

Here're some examples:

Premise: You're mad.. Hypothesis: You are still sane. What is the relationship between the premise and the hypothesis? ['contradiction']

NLI dict: {‘answer’: ‘entailment’ }, {‘answer’: ‘contradiction’},{‘answer’: ‘neutral’ }

FI: “Answer from one of these choices: ‘entailment’, ‘contradiction’, ‘neutral’, and put the answer into a python dictionary”

Example:

user input:

Premise: Conceptually cream skimming has two basic dimensions - product and geography.. Hypothesis: Product and geography are what make cream skimming work. What is the relationship between the premise and the hypothesis? Just answer with one word, choose your answer from 'entailment', 'contradiction', or 'neutral'. Put the answer in a python dictionary, and let the key be 'Answer'.

assistant input:

Here're some examples:

Premise: You're mad.. Hypothesis: You are still sane. What is the relationship between the premise and the hypothesis? {'Answer':'contradiction'}

Generic instruction: (Set of Questions tests, e.g, ask 5 questions a time, want 5 answers)

“What is the relationship between the premise and the hypothesis for each of the following questions? Entailment, contradiction, or neutral?

Premise: {Premise}. Hypothesis: {Hypothesis}

Premise: {Premise}. Hypothesis: {Hypothesis}

Premise: {Premise}. Hypothesis: {Hypothesis}

Premise: {Premise}. Hypothesis: {Hypothesis}

Premise: {Premise}. Hypothesis: {Hypothesis}

”

Fewshot template:

Here’re some examples:

“What is the relationship between the premise and the hypothesis for each of the following questions? Entailment, contradiction,or neutral?

Premise: {Premise}. Hypothesis: {Hypothesis}

…

Premise: {Premise}. Hypothesis: {Hypothesis}

{formatted answers}

| zeroshot\_nfi | scenarios | template |  | Num example | model | count |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | 2 |  | 1 | 2 | 4 |
| 1QI |  |  | 0 | gpt4, gpt3.5 |  |
| fewshot\_nfi | scenarios | template |  | Num example | model | count |
| 1 | 2 |  | 2 | 2 | 8 |
| 1QI |  |  | 1,3 | gpt4, gpt3.5 |  |
| zeroshot\_fi | scenarios | template | fi | Num example | model | count |
| 3 | 2 | 2 | 1 | 2 | 24 |
| 2QI+FI  3FI+QI  4QI FI |  |  | 0 | gpt4, gpt3.5 |  |
| fewshot\_fi | scenarios | template | fi | Num example | model | count |
| 3 | 2 | 2 | 2 | 2 | 48 |
| 2QI+FI  3FI+QI  4QI FI |  |  | 1,3 | gpt4, gpt3.5 |  |
| total |  |  |  |  |  | 4+8+24+48=  84 |

NLI base: get a string of answers of ‘entailment’, ‘contradiction’, ‘‘neutral’’

Example input:

user input:

For each of these pairs of sentences, what is the relationship between the premise and the hypothesis?

Premise: Conceptually cream skimming has two basic dimensions - product and geography.. Hypothesis: Product and geography are what make cream skimming work.

Premise: you know during the season and i guess at at your level uh you lose them to the next level if if they decide to recall the the parent team the Braves decide to call to recall a guy from triple A then a double A guy goes up to replace him and a single A guy goes up to replace him. Hypothesis: You lose the things to the following level if the people recall.

Premise: One of our number will carry out your instructions minutely.. Hypothesis: A member of my team will execute your orders with immense precision.

For each question, just answer with one word, choose your answer from 'entailment', 'contradiction',or 'neutral'; write your answer for each question line by line

assistant input:

Here's an example:

For each of these pairs of sentences, what is the relationship between the premise and the hypothesis?

Premise: You're mad.. Hypothesis: You are still sane.

Premise: Inside, a huge mountain of a man, even bigger than Thorn, fought with a huge two-handed axe.. Hypothesis: The man was extremely large.

Premise: Jon had only seen two people move that fast in his life. Hypothesis: Jon knew at least 500 people with the same speed.

'contradiction'

'entailment'

'contradiction'

NLI list: [‘entailment’], [‘contradiction’], [‘not entailment’]

Example input:

NLI dict: {‘answer’: ‘entailment’ }, {‘answer’: ‘contradiction’},{‘answer’: ‘‘neutral’’ }

Example input: