BERT Strategy Classification Models

Strategy Prompt Prefix
Task: Determine whether the last utterance falls under the {strategy} strategy.
Strategy Definition: {strategy}
- {strategy definition}.

Previous Utterances
Previous Utterances:
Utterance -> {prev utterance 1}
...
Utterance -> {prev utterance 5}

Last Utterance
Last Utterance:
Utterance -> {utterance}

Strategy Prompt Suffix
Strategy: {strategy}
Does the last utterance fall under this strategy?
Answer:

Tokenize

BERT-base
(110M parameters)

Binary Classification Head

Single-Task (ST) Variant:
A separate model is trained for each strategy

Multi-Task Binary-Label (MTBL) Variant:
One unified model that handles any strategy mentioned in the prompt