

RoBERTa for question answering. ids and attention_mask are needed for forward().

| | | | | | | | | | | | | |
|---|--------|--------------------------|--------|--------|----------------------------|--|-------------|------------|--------|--------|-----|--------|
| tokenized question | | question_word | | | | | | | | | | |
| tokenized text | | | | | text_word | answer_word | answer_word | text_word | | | | |
| ids | 0 | encoded_id (question) | 2 | 2 | encoded_id | encoded_id | encoded_id | encoded_id | 2 | 1 | ... | 1 |
| attention_mask | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | ... | 0 |
| offsets (calculated on the tokenized text; spaces all trimmed and have | [0, 0] | [0, 0] | [0, 0] | [0, 0] | [0, len(tokenized word 1)] | [len(tokenized word 1), len(tokenized word 1) + len(tokenized word 2)] | ... | ... | [0, 0] | [0, 0] | ... | [0, 0] |
| start_idx | | | | | | 5 | | | | | | |
| end_idx | | | | | | | 6 | | | | | |

BERT for question answering. ids, attention_mask and token_type_ids are needed for forward().

| | | | | | | | | | | | | |
|---|--|--------|--------------------------|--------|----------------------------|--|-------------|------------|--------|--------|-----|--------|
| tokenized question | | | question_word | | | | | | | | | |
| tokenized text | | | | [CLS] | text_word | answer_word | answer_word | text_word | [SEP] | | | |
| input ids original | | | | | encoded_id | encoded_id | encoded_id | encoded_id | | | | |
| ids | | 101 | encoded_id (question) | 102 | encoded_id | encoded_id | encoded_id | encoded_id | 102 | 0 | ... | 0 |
| attention_mask | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | ... | 0 |
| token_type_ids | | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | ? | ... | ? |
| offsets (calculated on the original text; spaces have effect) | | (0, 0) | (0, 0) | (0, 0) | [0, len(tokenized word 1)] | [1+ len(tokenized word 1), 1+ len(tokenized word 1) + len(tokenized word 2)] | ... | ... | (0, 0) | (0, 0) | ... | (0, 0) |
| start_idx | | | | | | 4 | | | | | | |
| end_idx | | | | | | | 5 | | | | | |