

HW_8_Writeup

Regarding the friend(s) of Harry Potter, first, I think the QA model is able to capture the span of answer when the words mentioned in the question are close to the span of answer. However, I find the model is not able to learn the different senses of Harry Potter in two sentences. The first mention of Harry Potter is referring to the name of the novels where J.K Rowling is related, while the second mention of Harry Potter is referring to a character who is a human where Ron and Hermione are related. When I asked about friend of Harry Potter, the QA model is mistakenly ranking J.K. Rowling high on the list of answers, but the Harry Potter in question should be a character rather than a novel. Second, I think the model is not good at coreference in "his friends". When I asked about Harry Potter's friend, it coreference the "his" to the same entity of Harry Potter, but Harry Potter actually should have had two entities in the paragraph.

I also played with another example in the notebook, but to save space here I only discuss Harry Potter's three questions.

your_paragraph_1 = 'Harry Potter is a series of seven fantasy novels written by British author, J. K. Rowling. The novels chronicle the lives of a young wizard, Harry Potter, and his friends Hermione Granger and Ron Weasley, all of whom are students at Hogwarts School of Witchcraft and Wizardry.'

your_question_1 = "Who are Harry Potter's friends?"

Top Predicted Answers:

Hermione Granger and Ron Weasley

Ron Weasley

Hermione Granger

J. K. Rowling

Hogwarts School of Witchcraft and Wizardry

Hermione Granger and Ron Weasley , all of whom are students

Harry Potter , and his friends Hermione Granger and Ron Weasley

Granger and Ron Weasley

a young wizard , Harry Potter , and his friends Hermione Granger and Ron Weasley

his friends Hermione Granger and Ron Weasley

your_question_1a = "Besides Hermione Granger, who is Harry Potter's friend?"

Top Predicted Answers:

Ron Weasley

J. K. Rowling

Harry Potter , and his friends Hermione Granger and Ron Weasley

J. K. Rowling . The novels chronicle the lives of a young wizard , Harry Potter

J. K. Rowling . The novels chronicle the lives of a young wizard

Ron Weasley , all of whom are students at Hogwarts School of Witchcraft and Wizardry

Ron

Ron Weasley , all of whom are students at Hogwarts School of Witchcraft

K. Rowling

Harry Potter

your_question_1b = "Besides Ron Weasley, who is Harry Potter's friend?"

Top Predicted Answers:

J. K. Rowling

Hermione Granger

J. K. Rowling . The novels chronicle the lives of a young wizard , Harry Potter

Harry Potter , and his friends Hermione Granger

Hermione Granger and Ron Weasley

K. Rowling

Harry Potter

Harry Potter , and his friends Hermione Granger and Ron Weasley

Ron Weasley

Granger