





Adversarial Questions



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What we did

For this project, our group decided to utilize our creativity skills and made 50 questions that an NLP System could get wrong!



01. Who did what

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01.



Who did what



Joseph

1st half: wrote questions
2nd half: analyzed & corrected
Organized the document
Sourced Adversarial
techniques
Conversion to json

Richie

1st half: wrote questions
2nd half: analyzed & corrected
Analysis and Proposal writeup

Mili

1st half: analyzed & corrected
2nd half: wrote questions
Shot video
Cross-checked sources

Philip

1st half: analyzed & corrected
2nd half: wrote questions
cross-checked sources

02.



Challenges



2 Main Challenges

Time Management

Expected 40 question for the Milestone, but came out with 25

Vagueness

Initial questions were vague: Set up a system

03.



A Review

X

There is an open-world game made by a well-known company from the most populous country in the world. This company is well known for releasing a worldwide sensation using an anime art style and the most well known game made by them is their open world action role-playing game, where the story revolves around a traveler who was separated from their sibling. 3 of the characters are also characters from the Lesser Keys of Solomon. Who is the character that shares the name with one of the demons and also shares a name with the in-game currency?

?

The target audience of this late 20th century author is to elementary school children. One of this author's works deals with a farm animal and an arthropod's unlikely friendship as they grow up together and improve each other's lives. The author of this has written many other books with the same target audience, however, the work in question deals with adult topics and was written around the time of the beginning of The Great Depression. It deals with theories having to do with those adult topics and it was more of a collection of essays. Who was the co-author of this work?

+?

There is a social media website that utilizes forums and communities (one can even say subcultures) to sort out and communicate with others anonymously. This social media website has a forum where users who want to rant about their situations, whether problematic or not, to do so. Its posts are often reposted on other social media sites for an even bigger expanding audience to empathize. What is the name of the community?

04.



Error Analysis




An athlete from this particular country is the first one to bring back an Olympic Gold Medal for her country. The athlete is a woman and she is now regarded as a “hero” in her country. Who won the 2nd place title at this event?

There is a 1990’s movie about romance between a businessman and a sex worker, who is played by the same woman who went on to be in Ocean’s Eleven and Ocean’s Twelve. This film features an English song from the 1960’s with the almost same name. In 2003, a south asian country released a romantic-comedy-drama film, which featured a South Asian remake of the English song previously referenced. What was the highest degree the main actress of the south asian movie earned?

05.



Linguistic Motivation



2 Main Syntax Techniques

Set Theory

“google” \cap “gigabyte” = gg

Question Embedding

Kinematics questions about Jerk and the Integral

06.



More Techniques



More techniques relating to adversarial techniques

Negation

Parasite vs. Snowpiercer

Uncommon Phrasing

“extend the river with itself”

Basic Math

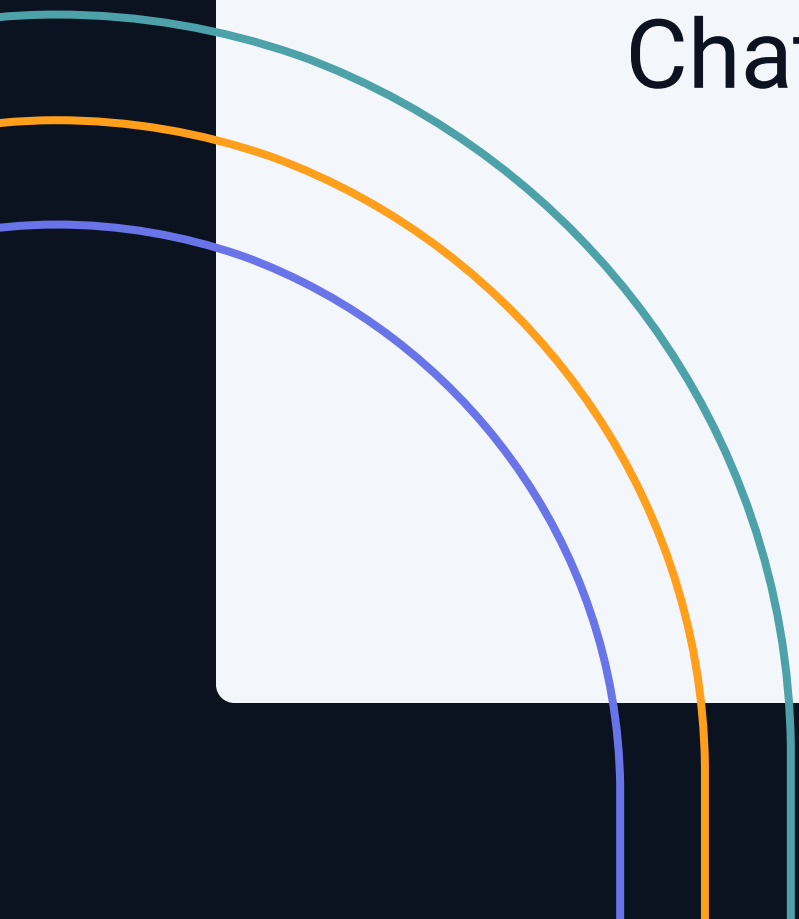
2 times the length



End Result

50 questions all unique in subtopics using a wide variety of adversarial techniques

ChatGPT and Bing AI cannot guess nearly all of them without further hints or they will give the wrong answer



thank you!

