

TellMeWhy: A Dataset for Answering Why-Questions in Narratives

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Overview

- Humans can reason about why they do something
- Can a machine tell me why?
- Auto-extract action questions from ROCStories
- Solicit possible answers from 3 MTurk workers
- Collect judgments about answers' validity
- **30k** questions, with **3** answers each
- Free-form generation task that models do bad on
- Advocate for human evaluation

Knowing why can help

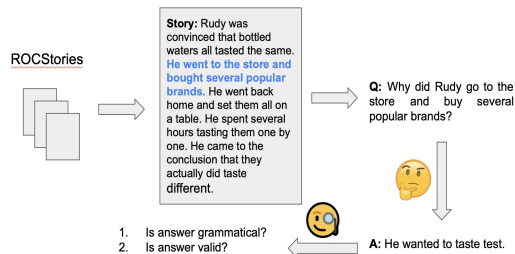
- Explain a character's motivation.
- Visualize events in a narrative
- Understand plans and goals.

Story: Rudy was convinced that bottled waters all tasted the same. He went to the store and bought several popular brands. He went back home and set them all on a table. He spent several hours tasting them one by one. He came to the conclusion that they actually did taste different.

Q: Why did Rudy go to the store and buy several popular brands?

A: He wanted to taste test.

Dataset Creation

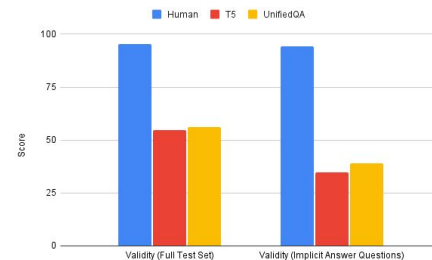


Characteristics

- Answers are not always in text - implicit answer (IA) questions
- IA questions prevent cheating - models can't copy text to use as answers
- Diverse answers possible for each question
- Automatic evaluation is not enough

| Split | # stories | # questions |
|-------------|-----------|-------------|
| Train | 7558 | 23964 |
| Dev | 944 | 2992 |
| Test | 944 | 3099 |
| Hidden Test | 190 | 464 |
| Total | 9,636 | 30,519 |

Benchmarking



Conclusions

- Challenging why-question dataset
- Large LMs are not capable of answering why questions
- Harness for standardized human evaluation

Dataset Download



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