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How much ChatGPT 'understands'?

Folks at Facebook AI Research came up with a set of seemingly easy, toy-ish, childish tasks (called 'bAbi') to gauge the 'understanding' of a learning system such as a chatbot. Tried them on ChatGPT today and here are a few results:

✳ Single Supporting Fact:

Mary went to the bathroom.

John moved to the hallway.

Mary traveled to the office.

🔊 Where is Mary?

✅ Correct Answer: office

➡ ChatGPT response: office

👤 Verdict: Right

✳ Three Supporting Facts:

John picked up the apple.

John went to the office.

John went to the kitchen.

John dropped the apple.

🔊 Where was the apple before the kitchen?

✅ Correct Answer: office

➡ ChatGPT Response: The given information does not provide a clear answer to this question. We know that John picked up the apple, went to the office, and then went to the kitchen where he dropped it, but there is no indication of where he had the apple between the office and the kitchen.

👤 Verdict: Well, not a good answer. John would be having the apple in the office so that he could drop it later in the kitchen.

➡ ChatGPT Response retry: Based on the given information, the apple was with John before he went to the office, as he picked it up before leaving. Therefore, the apple was most likely with John when he went from the office to the kitchen before he dropped it there.

👤 Verdict: Right, sort-of.

✳ Two Argument Relations:

The office is north of the bedroom.

The bedroom is north of the bathroom.

The kitchen is west of the garden.

🔊 What is north of the bedroom?

✅ Correct Answer: office

➡ ChatGPT Response: Based on the given information, the office is north of the bedroom and the bedroom is north of the bathroom. Therefore, what is north of the bedroom is most likely the bathroom.

👤 Verdict: Wrong. The first statement gives the answer right away. Even its response also has it but later messes up.

🔊 What is the bedroom north of?

✅ Correct Answer: bathroom

➡ ChatGPT Response: Based on the given information, it is not specified what the bedroom is north of. We only know that the office is north of the bedroom, and the bathroom is north of the bedroom. Therefore, we cannot determine what the bedroom is north of without additional information.

👤 Verdict: Wrong. Information is sufficient.

More cases detailed in


my Medium article: <https://lnkd.in/dBfEUgkK>

So, in nutshell, we need more than just prowess in generating words coherently, need some injection of intelligence/reasoning, to be declared that AGI (Artificial General Intelligence) has arrived. But even at this stage it appears to have some 'understanding' for sure, but a long way to get. Looking forward!!

#chatgpt #nlp #babi #understanding #ai #intelligence #fair
#facebook #openai #learning #research



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