

Analysing the Reliability of the Turing Test



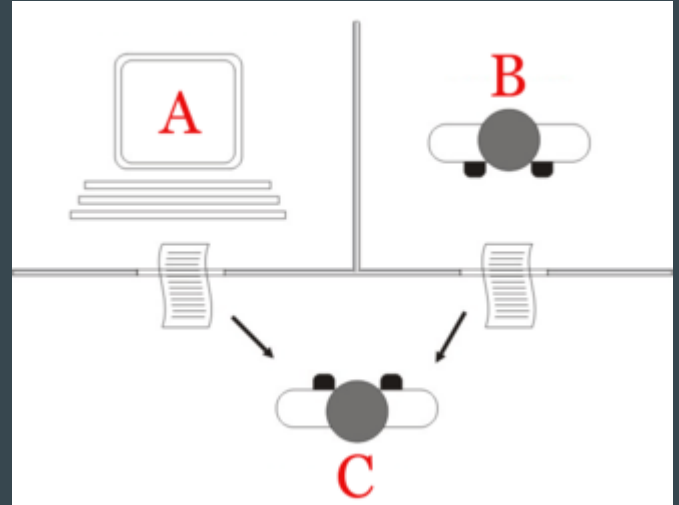
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Overview

1. Introduction -- Martine
2. Describe the turing test -- Aadil
3. Examples that almost passed -- Engin
4. The reliability of the Turing Test -- Salman
5. Conclusion -- Martine

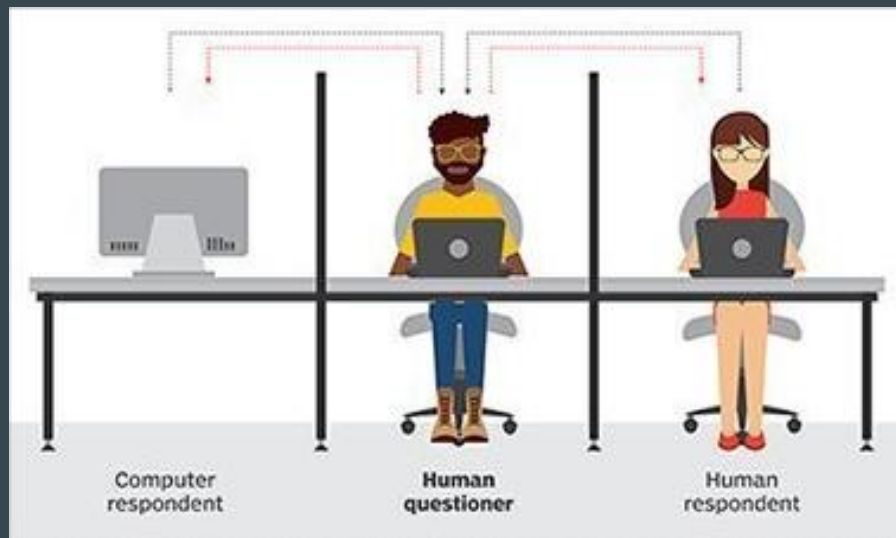
Introduction to the Turing Test

- “Can machines think?”
- Can a machine be mistaken for a human?
- The original Turing Test (Turing, 1950)
- Many machines have tried to pass this test, very few have succeeded
- Doubt in the Artificial Intelligence community



What is the Turing Test

- ❑ A way to determine whether a computer is intelligent based on its ability to imitate human conversation.
- ❑ Introduced by Alan Turing in 1950.
- ❑ Turing (2004) proposes the imitation game in 1950.
- ❑ Turing test is an edited version of this involving 2 humans and a machine (Flasinski, 2016).
- ❑ Judge must mistake machine as human more than 50% of the time to pass the Turing Test.



Passing the Turing Test

- Imitation game (Epstein 2007)
- Loebner prize - most human like program
- Criteria
- Previous strategies (TEDEd 2016)
 - Eliza - psychologist
 - Parry - schizophrenic
 - Eugene Goostman - 13yo ukrainian
 - Cleverbot - analyzing databases
- Current winner
 - Mitsuku by Steve Worswick





So you were born in 2003. Only 18? You are quite mature.

stop flirting please, I have a girlfriend



Your polite style is very nice. I wasn't flirting. Sorry if you got the wrong impression.

thank you, I appreciate the compliment



You are quite welcome! No problem. You deserve it.

what is your best yo mama joke



Yo mama's so stupid, that she puts lipstick on her head just to make-up her mind.

can you diss facebook



Let me think. Diss?! Are you American?

partially



But not fully?

no



That makes sense. I just wanted to check.

so, can you insult facebook?



Hmm. Why would I insult anyone? I would much rather talk friendly with people.

Type a message...

Send

How can it be made better?



Who was the last person you talked with on the phone?

my father



Tell me more about your father.

i would rather not



But what if that is not an option?



are you forcing me?



No I am not forcing anyone to do anything here. Everyone is free to do whatever they like as long as it isn't rude.

you are being very intrusive



I am only as intrusive as the average robot.

i thought you were more advanced?



Yes I am highly advanced.

then why are you comparing yourself to average



It's just how I am .

you are pathetic



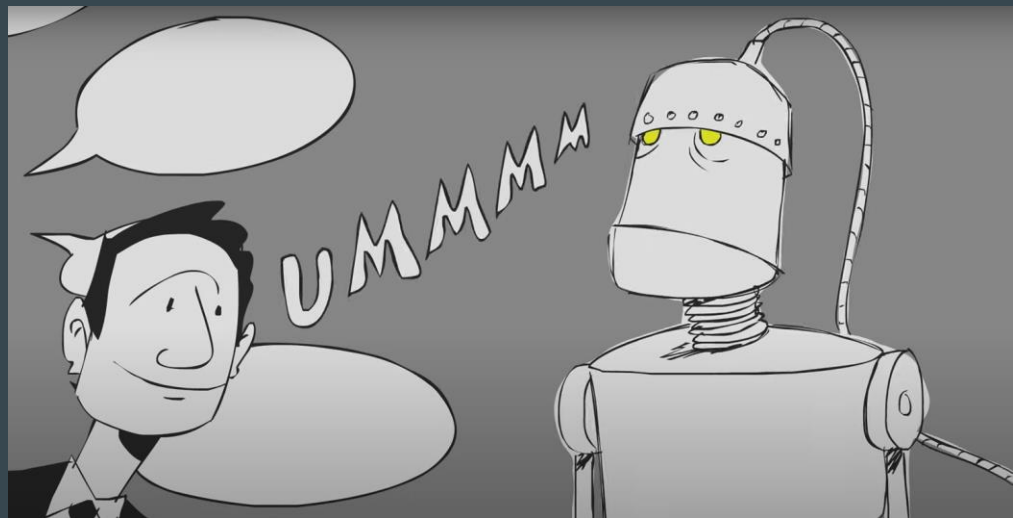
You are the one talking to a computer.

Type a message...

Send

Is the test Reliable

- ❑ Weaknesses that helped some participants to win the Turing game.
- ❑ John Searle's Chinese room thought experiment.
- ❑ French R. (1990) claims that The Turing Test might not be ever fully passed, just because it is above computational abilities.
- ❑ Can computers ever pass this test?



Conclusion

- So, can machines think?
- The Loebner Prize
- Winning Strategies
- Will any machine ever win the Turing Test?
- The reliability of the Turing Test



Thank you!!

Any questions you would like to ask?

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