I read that scientists are trying to make computers that think.

Isn't that weird? If computers can think, what will people be better at than machines?

Irrational behavior.

Maybe they'll invent a psychotic computer.
THE TURING TEST

- In 1950, Alan Turing designed a test to determine whether AI is “intelligent”
  - Human judges chat with a group of people and one AI
  - Each judge has 5 minutes to talk to each interlocuter
  - If more than 30% of judges fooled by AI, it passes
- In 1990, Hugh Loebner created a more in-depth test
- In 2014, chatbot Eugene passed Turing test
IS CONVERSATION A GOOD MEASURE OF INTELLIGENCE?
SEARLE’S CHINESE ROOM

Searle’s Chinese Room
THEN WHAT IS INTELLIGENCE?
ROSSUM’S UNIVERSAL ROBOTS

- A 1920 play by Karel Čapek
- Coined the term “robot”
- Robots were built to be laborers without feelings or thoughts
  - Not made of metal
- Eventually destroy humanity and start to develop feelings
WHY DO WE FEAR ROBOTS/AI?
THE UNCANNY VALLEY

- Dip in emotional response identified by roboticist, Masashiro Mori
ASIMOV’S THREE LAWS OF ROBOTICS

1. A robot may not injure a human being or, through inaction, allow a human being to come to harm

2. A robot must obey orders given it by human beings except where such orders would conflict with the First Law

3. A robot must protect its own existence as long as such protection does not conflict with the First or Second Law
MORE HUMAN THAN HUMAN
THOUGHTS AND FEELINGS?
REFERENCES

- [https://www.auburn.edu/~vestmon/robotics.html](https://www.auburn.edu/~vestmon/robotics.html)