Introduction:
What is mind?
And why do we talk about the computer when we talk about it in Cognitive Science?

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It is probably best to start out with two ideas about what mind is, and who has it:

- 1 Mind is what the brain does. Humans have mind.
- 2 Mind is rising above data by an organism. Any species which can do/understand more than what it is exposed to in an autonomous way would have a mind.
- In 1, Cognitive Science studies cognitive processes, such as sensation, attention, perception, language, organized action, vision, tracking, collaboration, decision making, complex problem solving.
- In 2, Cognitive Science studies what kind of knowledge can be autonomously constructed, and how.
- In 1 & 2, the mind seems to be able to coordinate these seemingly distinct activities, in trying to cope with the changing world.

## Three aspects of philosophy of cognitive science:

- The research program:
  - To understand the mind, we need to understand the brain (roughly, cognitive neuroscience)
  - To understand the brain we need to understand the mind (roughly, cognitive science)
- The positions' point of departure: the idea of computer. It is
  - necessary for this understanding
  - unnecessary
  - sufficient
  - insufficient
  - irrelevant
  - dangerous
- Autonomy and the computer question: Is computer science practice of the extended-human, or extended-practice of the human?
- I make no apologies as a CS guy for being an extended-practice person.

- Ethics and the computer:
- Positions: The computer's role in personal lives and society
- a raises ethical issues
- b does not raise ethical issues
  - 1 for the public
  - 2 for the public, computers, and promoters of technology
  - 3 for the public, computers, people at the helm of the computer whether it is 'let' to work independently or not, and promoters of technology.

I try to promote 3a.