

Definition of Intelligence

- key capabilities of intelligent systems
 - Perceive
 - * senses
 - * sensors
 - Think
 - * brain
 - * memory
 - ◆ database of facts
 - * knowledge representation
 - ◆ understanding concepts
 - ◆ general knowledge representation
 - * reasoning via rules/logic/etc.
 - Act
 - * human body
 - * actuators
- 5 types of intelligence
 - think like a human
 - * humanity is the goal
 - * focus on information processing rather on action
 - * interesting for understanding how humans think
 - ◆ biology, neurology, psychology
 - act like a human
 - * humanity is the goal
 - * not particular useful in engineering
 - * can be identified by Turing Test
 - think rationally
 - * focus on information processing rather on action
 - * assumes that intelligence = rationality
 - act rationally
 - * behaviour dependent on concrete goal(survival)
 - * assumes that intelligence = rationality
 - adapt to your surroundings
 - * capable of adapting to changing environment
 - * respond to changes with own interactions with environment

[[Data Science and AI]]