Notes

Russell & Norvig

Artificial Intelligence: A Modern Approach

	Humanly	Rationaly
Thinking	Cognitive Science	(Not very useful)
Acting	Turing Test (too hard)	YES

> Acts so as to achieve the best outcome, or, where there is uncertainty, the best experteal outcome

An Agent receves percepts through its sensors, and can cause an action through its actuators.

- P.erformance
- E.nvironment
- A.cturators
- S.ensors

Observable

- Fully Observable: Can view all of the enviornment
- Partially Observable: Can view some of the enviorment
- Unobservable: Cannot view any of the enviorment

Single Agent/Multi Agent

Multi Agent

- Competitive
- Cooperative
- Semi cooperative

Determinizm

- Deterministic: Every action is causes perdictable results
- Stochastic: Actions cause unpredictable results

Dynamics

- Static: Nothing happens untill an action occurs

- Dynamic: Enviornment changes while waiting for action
- Semidynamic: Preformance ranking is effected by time spent thinking

Discrete/Continuous

Known/Unknown

Types of agents

- Reflex

- State-based

- Goal-based

- Utility-based

- Learning

- Exploration vs Exploitation