

Workshop 3: Intelligent Agents

CITS3001 Algorithms, Agents and Artificial
Intelligence

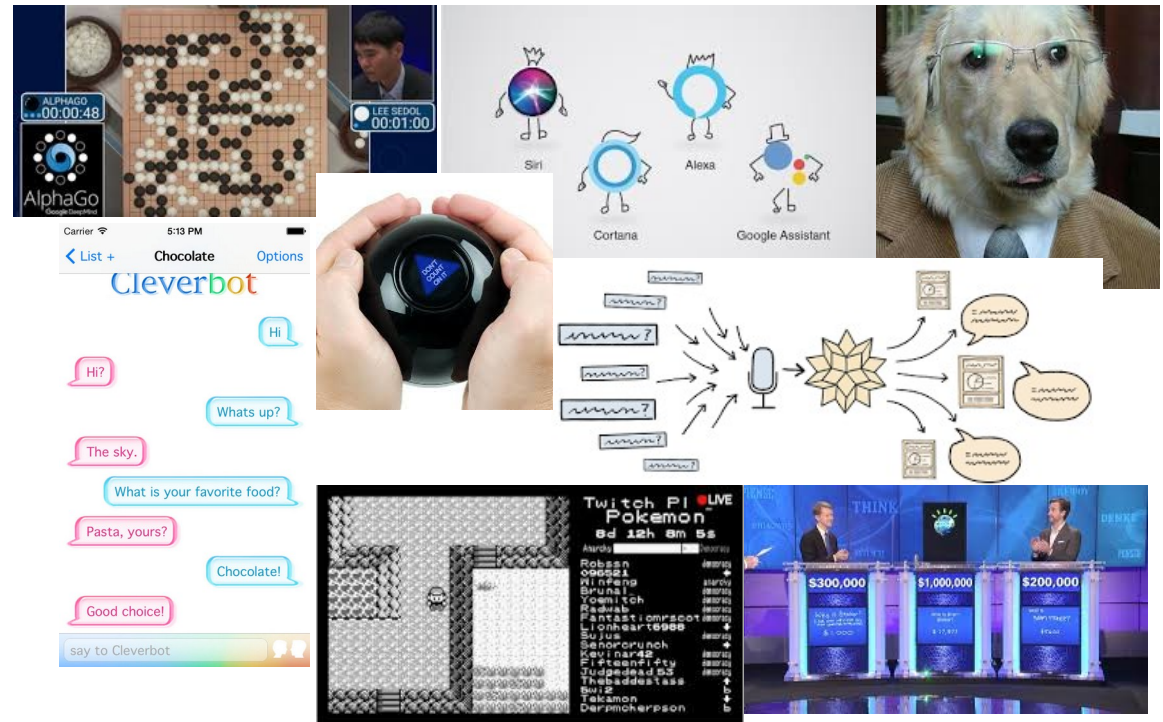


Tim French
Dept of Computer Science and Software Engineering
The University of Western Australia

2021, Semester 2

Are you smarter than a smart fridge?

- What does it mean to be intelligent? What are the different components that make an agent intelligent?
- Should we differentiate between artificial intelligence and “organic” intelligence?
- How would you rank the following the following agents in terms of intelligence:
 - A dog
 - A magic 8 ball
 - Siri/Alexa/Cortana
 - Google Search
 - Wolfram Alpha
 - Alpha Go
 - Watson
 - Cleverbot
 - Twitch plays pokemon
 - Yourself



Agency

Imagine you are designing a robot barman. The robot must interact with customers, prepare and serve drinks and perform financial transactions.

Describe a high level architecture for this robot: what are the required:

- Percepts?
- Sensors?
- Actions?
- Actuators?
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- What model of the state of the world should the robot maintain?
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- What goals or utility should the robot have?

