

## Week 1

9 試題

1  
point

1 °

What is an agent?

- ☐ A program
- ☐ An entity that perceives and acts
- ☐ A percept sequence and action table
- ☐ Sensors and actuators

1  
point

2 °

What does strong AI and weak AI mean?

- ☐ Strong AI: always returns the best solution; weak AI: can only return a solution without optimum guarantee, but at least is local optimum
- ☐ Strong AI: makes decisions with all previous records; weak AI: only considers the current perception and one previous action
- ☐ Strong AI: machines with sensors; weak AI: machines without sensors
- ☐ Strong AI: physical symbol systems which can have a mind and mental states; weak AI: physical symbol systems which can act intelligently

1  
point

3 °

What does rational behavior mean?

- ☐ Is expected to maximize goal achievement, given the available information
- ☐ Imitates smart human
- ☐ Echo any input it gets
- ☐ Always outputs the same answer

1  
point

4 °

What does PEAS stand for?

- ☐ Permutation, elitism, ambiguity, sophistication
- ☐ Professionality, elicitation, accuracy, specificity
- ☐ Probability, estimation, acceleration, stochastic

- ☐ Performance measure, environment, actuators, sensors
- 

1  
point

5 °

Which agent is not mentioned in this class?

- ☐ Simple reflex agents
- ☐ Model-based agents
- ☐ Goal-based agents
- ☐ Utility-based agents
- ☐ All above are mentioned
- 

1  
point

6 °

What is the Turing test?

- ☐ An algorithm's ability to find an optimal solution; performance measure includes time and space complexity
- ☐ To test if a machine can evolve itself and finally become a human like robot
- ☐ A machine's ability to exhibit intelligent behavior equivalent to, or indistinguishable from, that of a human
- ☐ To test if a machine can automatically sense and react to the environment
- 

1  
point

7 °

What is a rational agent's ability?

- ☐ Information gathering
- ☐ Exploration
- ☐ Learning
- ☐ Autonomy
- ☐ All of the above
- 

1  
point

8 °

What is an agent function?

- ☐ Returns all possible successors from a state
- ☐ Maps any percept sequences to an action
- ☐ Returns an evaluation score from an action
- ☐ Returns all action and state pairs during the process
-

1  
point

9 ◦

Which of the follows is not an ability of a model-based agent?

- ☐ Handling partial observability
- ☐ Maintaining internal states to model the world
- ☐ Modeling the world which represents the agent's best guess
- ☐ Maximizing the expected utility



我 (**YIJHEN LIN**) 了解提交不是我自己完成的作業  
了解榮譽準則的更多信息

將永遠不會通過此課程或導致我的 Coursera 帳號被關閉。

9 試題 未回答

提交測試

