



Bookmarks

- ▶ Artificial Intelligence Course: Getting Started

- ▼ Week 1: Introduction to AI

Week 1: Suggested Readings

- 1.1 Overview of AI
- 1.2 Applications of AI

1.3 AI Foundation and History

1.4 Course Overview

Week 1 Quiz:

Introduction to AI

Quiz due Apr 11, 2017 05:00 IST

Week 1 Discussion Questions

- ▶ Week 2: Intelligent Agents and Uninformed Search
- ▶ Week 3: Heuristic Search
- ▶ Week 4: Adversarial Search and Games

Week 1: Introduction to AI > Week 1 Quiz: Introduction to AI > Week 1 Quiz: Introduction to AI

Week 1 Quiz: Introduction to AI

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Read these two articles which complement Week 1 lectures. They are excellent sources of information about AI, containing interesting and informative reference. Then answer the following questions.

1. **Preparing for the Future of Artificial Intelligence.** Executive Office of the President, National Science and Technology, Council Committee on Technology. October 2016.

2. Computing Machinery and Intelligence. Alan Turing, 1950.

<http://www.turingarchive.org/browse.php/B/9>

Week 1 HW Assignment

100/100 points (graded)

1. What definition of Artificial Intelligence is not mentioned in today's lecture:

☐ The ability to learn and solve problems

☐ The intelligence exhibited by machines or software

☒ The branch of Computer Science dealing with the creation of autonomous systems better at solving hard problems than humans.

☐ The science and engineering of making intelligent machine

☐ The study of design of intelligent agents which can perceives its environment and take actions maximizing its chances of success.

► Week 5:
Machine
Learning 1

2. The term Artificial Intelligence was coined by McCarthy at Dartmouth meeting in 1956.

☒ True ✓

☐ False

3. Which of the following is a school of thought for the question "What is AI?"

☐ Acting Emotionally

☐ Thinking Morally

☐ Thinking Creatively

☐ Thinking Randomly

☒ Acting Rationally ✓

☐ Acting Randomly

4. Which of the following is not an AI applications mentioned in the lecture:

☐ Speech/Handwriting Recognition

☐ Machine Translation

☒ Interstellar Transportation ✓

☐ Recommendation Systems

☐ Face Detection/Recognition

☐ Autonomous Driving

5. There are two kinds of non-adversarial search agents: Informed Search

and Random Search. True or False ?

☐ True

☒ False ✓

6. A binary classification data problem is different from a clustering data problem in that the dataset under the clustering problem has labels. True or False ?

☐ True

☒ False ✓

7. Which of the following discipline is mentioned in the lecture as the foundation of AI

☐ Physics

☐ Aerospace Engineering

☐ English literature

☐ Machine Learning

☐ Neural Networks and Deep Learning

☒ Economics ✓

8. The imitation game is proposed by Alan Turing to test whether a machine can convince a human interrogator into believing that it is human.

☒ True ✓

☐ False

9. Artificial Intelligence has the potential to address societal challenges in many areas. Which of the following areas was not mentioned in "Preparing the Future of Artificial Intelligence?"

☐ Smart Vehicles

☐ Precision Medicine

☐ Smart Buildings

☐ Smart Government

☒ Smart Communication ✓

10. In "The Imitation Game" paper, Alan Turing admitted the difficulties of answering the question "Can machines think," and he proposed an alternate question. Which question from the following did he suggest?

☐ Can computers solve computational problems efficiently?

☐ Can agents behave rationally?

☐ Is artificial intelligence feasible?

☐ Is Turing Machine the best AI?

☒ Can a machine behave intelligently so that a human interrogator can not tell whether it is a human or a machine? ✓

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You have used 1 of 2 attempts

✓ Correct (100/100 points)



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