

Lesson Preview

- What is knowledge-based artificial intelligence?
- How does it fit into the rest of artificial intelligence?
- What can I expection out of the course Help
- What is the structure of t

What are some things Watson must be able to do to participate in Jeopardy? Assignment Project Exam Help

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Add Weedthe clue coder

Search its knowledge base

Decide on an answer

Properly phrase that answer

Fundamental Conundrums of Artificial Intelligence

- Intelligent agents have limited resources.
- Computation is local, but problems have global constraints.
- Logic is deductive, but many problems are not.
- The world is dynamic, but knowledge is limited.
 - Problem solving, reasohitto, sin plearing are complex, but explanation and justification are even more complex.

Characteristics of AI Problems

- Knowledge often arrives incrementally.
- Problems exhibit recurring patterns.
- Problems have multiple levels of granularity.
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 Many problems are computationally intractable.
- The world is dynamic, https://pegecoderwealthis static.
- The world is open-ended, but where is limited er

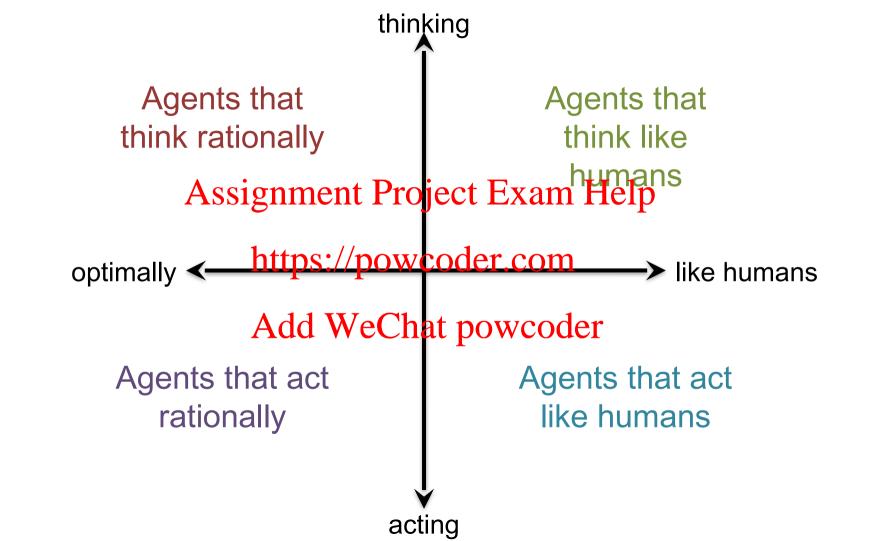
Characteristics of Al Agents

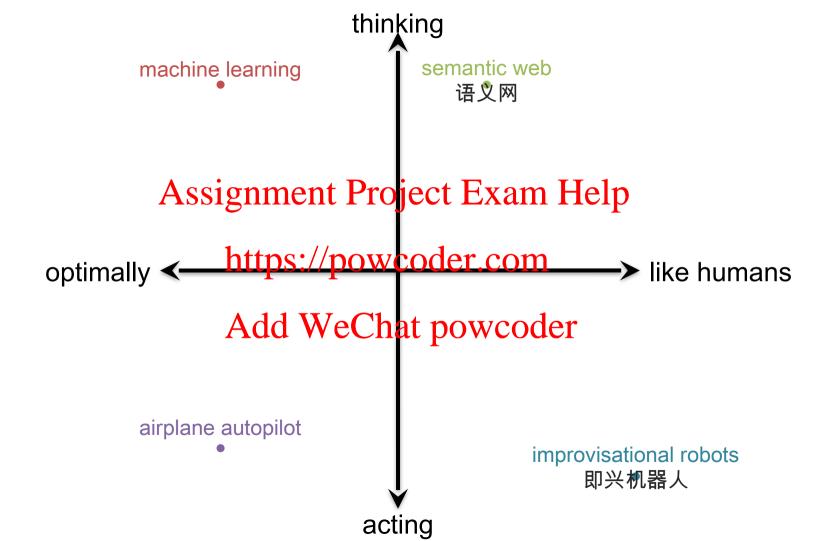
- Agents have limited computing power.
- Agents have limited sensors.
- Agents have limited attention.
- Assignment Project Exam Help
 Computational logic is fundamentally deductive.
- Al agents' knowledge ishtermpleteweatherte the world.

Which of these are Al problems?

- o Answering questions on Jeopardy.
- o Configuring the dimensions for the basement of a new house.
- o Tying shoelaces.
- o Deciding on a route to a new destination.
 o Making sense of a Assignment Project Exam Help
- o Designing a robot that walks on water.
- o Establishing whether a fattps://tpawsoder.com/drinking cup.
- o Deciding whether or not a new animal is a bird.





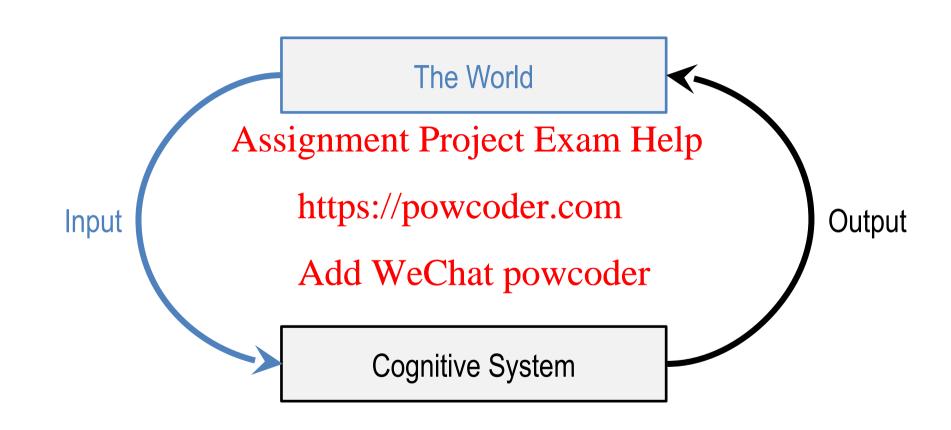


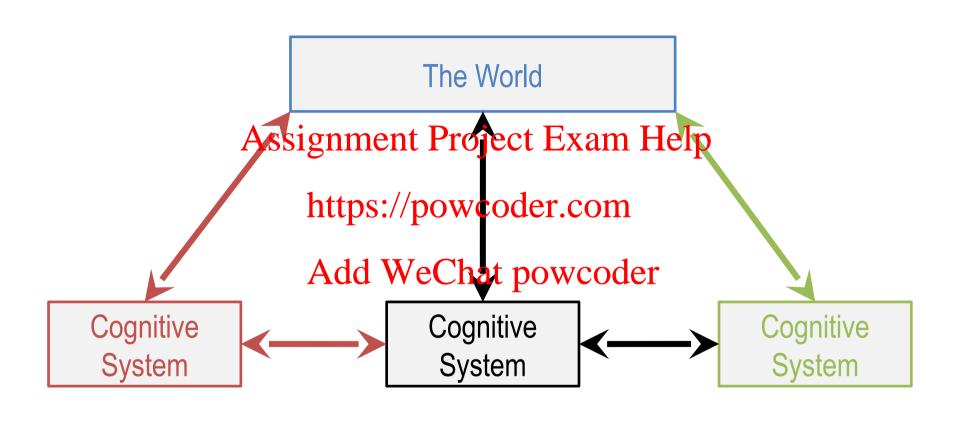
What are cognitive systems?

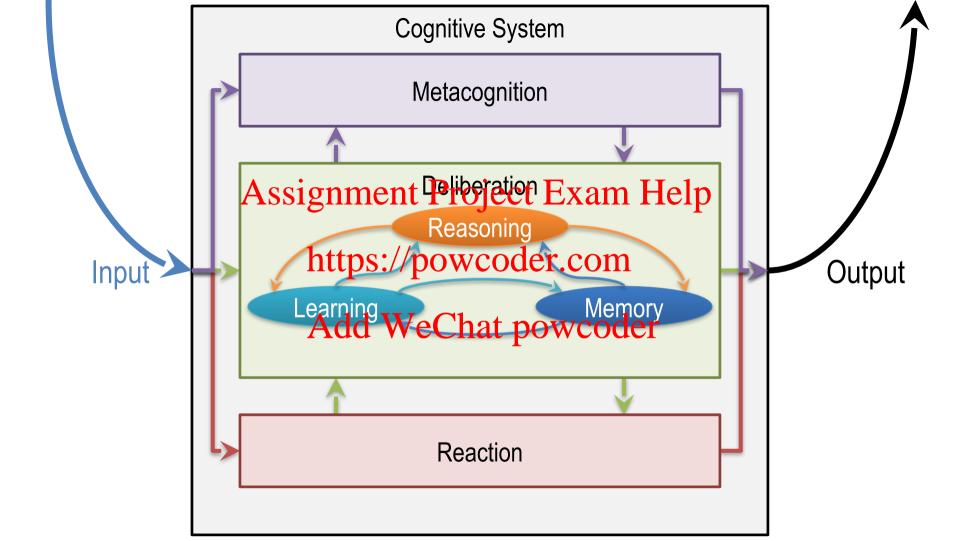
Cognitive: dealing with human-like intelligence.

Systems: multiple interacting components such as learning, Assignment Broiect Exam Help

Cognitive Systems: Psystems that exhibit human-like intelligence through processes like learning, reasoning, and wechat powcoder memory.

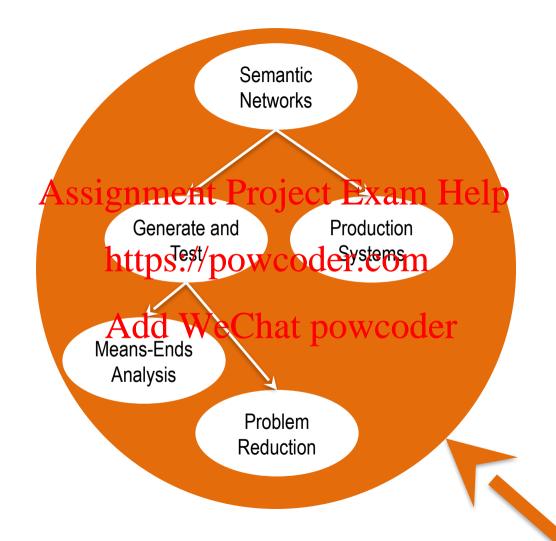




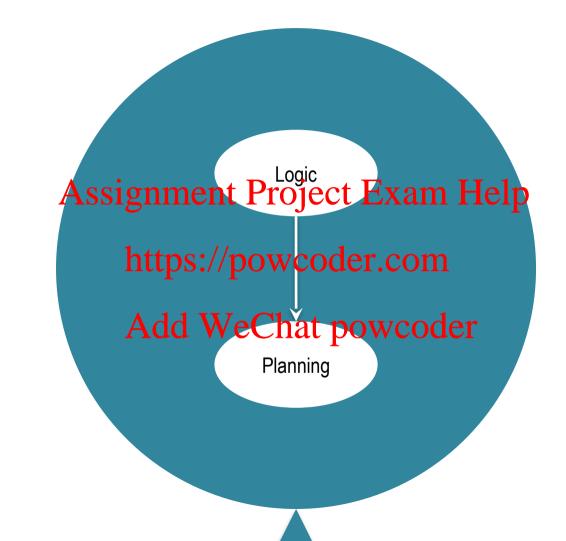


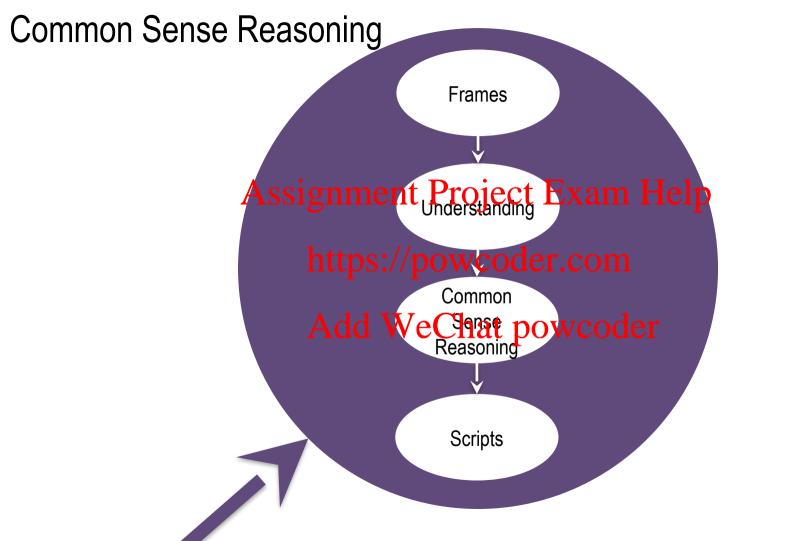


Fundamentals

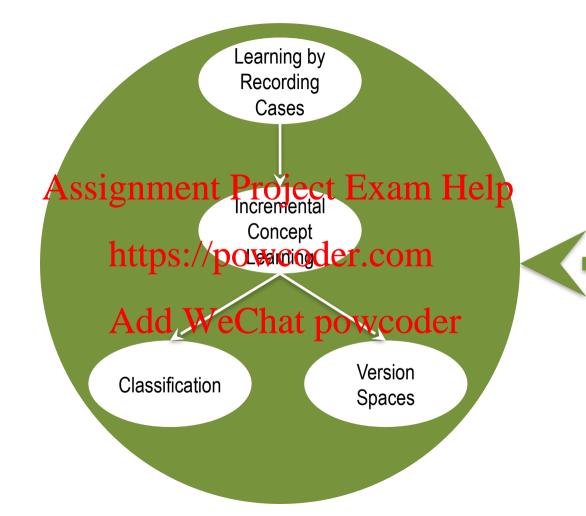


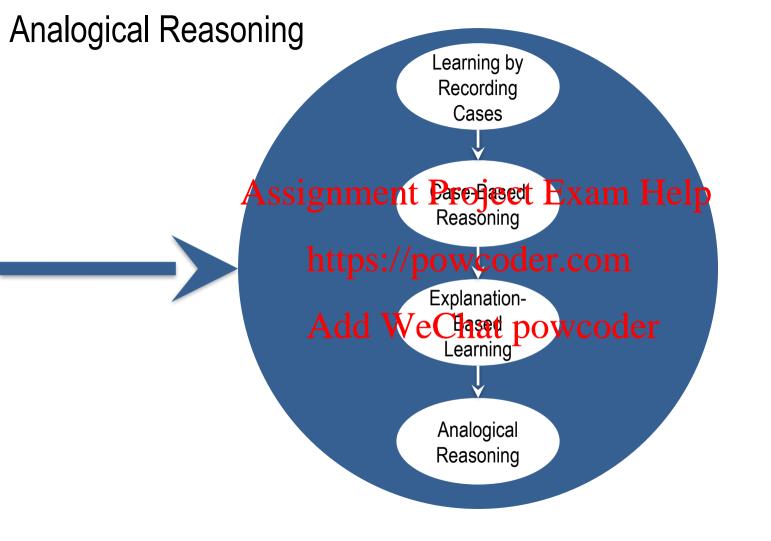
Planning

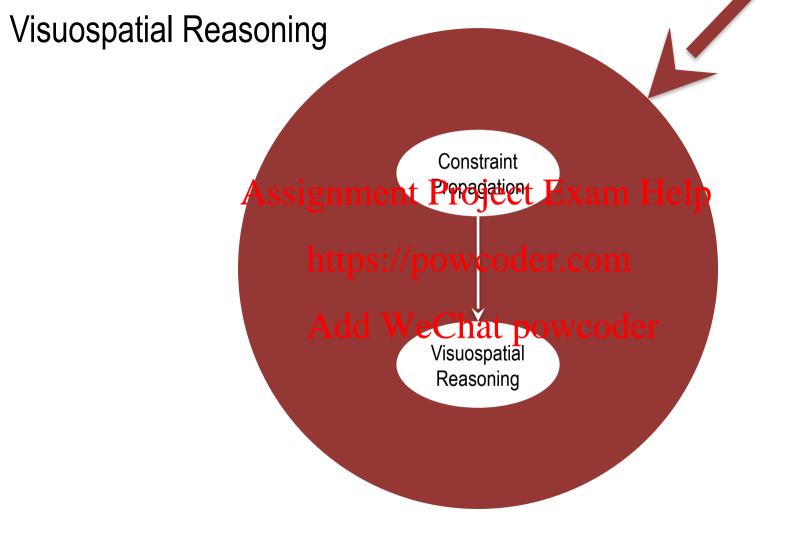




Learning

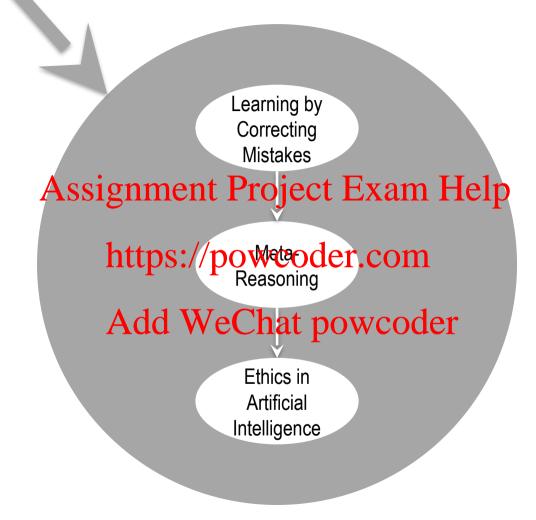


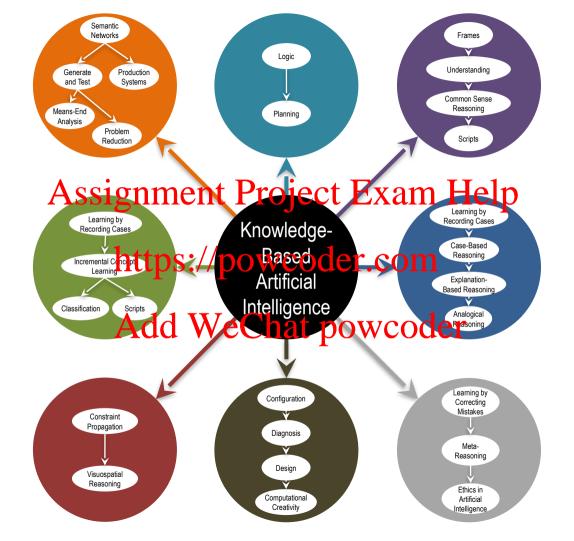




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Metacognition





To recap...

- Conundrums and characteristics
- Four schools of Al
- What is KBAI Assignment Project Exam Help
- Cognitive Systemshttps://powcoder.com
- Topics in Al Add WeChat powcoder