Introduction to Agent-Based Modeling (Summer 2022) 8.6 Unit 8 Wrapup » Unit 8 Test

• B.agents can reason about their own bodies

 $\circ~$ D. stakeholders identify with agents to reason and understand their behavior

• C. agents are similar to bodies

5.0 Onit o Wrapup // Onit o rest
nstructions 1
Please select the best answer.
Question 2
The Game of Life has the ability to create
• A. real robots
B. self-reproducing automata
o C. fully mobile agents with network connections
D. patterns of behavior that don't exist in ABM
Question 3
One common feature between ABM and CA is:
• A. the timestep-based scheduler
B. mobile agents
• C. experimental tools
D. a fixed set of binary rules
Question 4
n many ways, the desire to build economic models that can handle modern complexities, at least partially, led to the development of one of the first ABM toolkits.
• A. Repast
• B. MASON
• C. Swarm
o D. NetLogo
Question 5
Because Genetic Algorithms use a population of solutions, it is possible to good solutions to create better ones.
• A. modify
B. recombine
• C. mutate
• D. delete
Question 6
Body syntonic reasoning is employed in agent-based modeling in that:
• A. agents and humans can participate together

Question 7
The main difference between NetLogo and Logo is that NetLogo can handle
• A. thousands of agents
。 B. one agent
。 C. graphical displays
D. modern computational structures
Question 8
Object-oriented programming and agent-based model share similarities in that:
A. 00 was created to model complex systems phenomena
B. agents can be viewed as objects in the 00 paradigm
C. they do not share similarities
D. agent-based modeling is a programming language
Question 9
The Actor paradigm and ABM both place an emphasis on:
A. local interactions
B. path dependence
C. participatory simulation
D. experimental design
Question 10
Parallel computing requires the creation of special languages because:
A. serial machines run slower
B. different processors behave differently
• C. standard computing architectures assume that every element can access the full data of the program at all times
D. communication between processes takes a long time
Question 11
is the field of studying computational models of natural life.
A. machine learning
B. evolutionary computation
C. system dynamics modeling
• D. artificial life