Instructions 1

Please select the best answer.

Question 2

What does the causal state modeling example shows how we can automatically learn?

○ A. Everything we need for an agent-based model

○ B. Rules for an agent-based model

○ C. Patterns of behavior of aggregate systems

○ D. How many agent to model

Question 3

The growth of _____ provides us with more insight into human activity than any previous time in history.

○ A. big data

○ B. census data

○ C. lab studies

○ D. surveys

Question 4

The goal of _____ is to create a suite of models that are both generalizeable and can create specific forecasts

○ A. full spectrum modeling

○ B. iterative modeling

○ C. pattern-oriented modeling

○ D. agent-based modeling

Question 5

_____ is the idea that model developers and subject matter experts should communicate often.

○ A. pattern-oriented modeling

○ B. agent-based modeling

○ C. iterative modeling

○ D. full spectrum modeling

Question 6

Which of these commands allows you to store a function as a variable?

○ A. MAP

○ B. REDUCE

○ C. RUN

○ D. TASK

Question 7

?1 and ?2 are used in NetLogo to refer to?

○ A. elements of a list that you are iterating over

○ B. the first and second variable

○ C. a random number multiplied by one and two respectively

○ D. they are not used in NetLogo

Question 8

Participatory simulation allows _____ to interact with (the) _____.

○ A. people, robots

○ B. people, virtual agents

○ C. doctors, patients

○ D. parts, whole

Question 9

System dynamics modeling is primarily composed of what two elements?

○ A. math, equations

○ B. agents, flows

○ C. stocks, flows

○ D. stocks, agents

Question 10

The GIS extension can read data directly from (a/n) _____.

○ A. java file

○ B.online internet collection

○ C. shapefile

○ D. database

Question 11

Betweenness centrality computes the node which exists on the greatest number of _____ between _____.

○ A. shortest paths, nodes

○ B. nodes, nodes

○ C. shortest paths, cities

○ D. eigenvectors, eigenvalues