Assignment 2

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Due on 2018-09-12, 23:59 IST.

1) In a simulation study of a complex system, the model gets evaluated numerically to find the solution. Is this statement true or false?

- True
- False

No, the answer is incorrect.
Score: 0

Accepted Answers:
True

2) Simulation is a:

- Analytical solution
- Mathematical model
- Actual system
- Physical model

No, the answer is incorrect.
Score: 0

Accepted Answers:
Mathematical model

3) "Robots in a factory is an example of static simulation." The above statement is

- True
- False

No, the answer is incorrect.
Score: 0
1) In discrete event simulation, 'event list' means:

- Current value of simulation time
- Generate random variable
- Next time when each event type will occur
- Collection of state variables to describe system

No, the answer is incorrect.
Score: 0
Accepted Answers: Next time when each event type will occur

2) A fair coin is tossed for three times. Which among the following constitutes the sample space of all the outcomes?

- {HHH}{HHT}{HTH}{THH}{TTT}{TTH}{THT}{HTT}
- {HHH}{HHT}{HTH}{THH}{TTT}{THT}{HTT}
- {HHH}{HHT}{TTT}{TTH}{THT}{HTT}
- {HTH}{THH}{TTT}{THT}{THT}{HTT}

No, the answer is incorrect.
Score: 0
Accepted Answers: {HHH}{HHT}{HTH}{THH}{TTT}{TTH}{THT}{HTT}

3) Consider the following data set and calculate the standard deviation of the data.

{4,5,8,5,9,12,11,8,7}

- 2.95
- 2.12
- 2.74
- 3.05

No, the answer is incorrect.
Score: 0
Accepted Answers: 2.74

4) When a variable X increases, variable Y decreases. Which of the following statement might be correct based on this information?

- X and Y are uncorrelated
- X and Y are independent
- X and Y are positively correlated
- X and Y are negatively correlated

No, the answer is incorrect.
Score: 0
Accepted Answers: X and Y are negatively correlated
No, the answer is incorrect. 
Score: 0 
Accepted Answers: 
X and Y are negatively correlated