

Multiple Choice Questions

Chapter 4: Simulation Studies: An Overview

1. Which of the following is the key activity in a simulation study?
 - a. Conceptual modelling
 - b. Model coding
 - c. Experimentation
 - d. All of the above
2. Which of the following is true?
 - a. The activities in a simulation study are performed in a linear fashion, once one activity is complete the project moves to the next activity.
 - b. The activities in a simulation study are repeated and frequently iterated between until the study is complete.
 - c. Once the findings of a simulation study have been implemented, the simulation study is complete.
 - d. Model coding cannot be started until the conceptual model is completely determined.
3. The duration of a simulation study is typically :
 - a. Around 1 month
 - b. Around 3 months
 - c. More than 6 months
 - d. All of the above
4. The proportion of time devoted to each activity in a simulation study is typically:
 - a. 10% conceptual modelling, 80% model coding, 10% experimentation
 - b. 25% conceptual modelling, 50% model coding, 25% experimentation
 - c. 33% conceptual modelling, 33% model coding, 33% experimentation
 - d. 50% conceptual modelling, 20% model coding, 30% experimentation
5. In terms of the roles in a simulation study, which of the following is true?
 - a. The modeller is sometimes the model user
 - b. The modeller should always be the model user
 - c. The modeller should never be the model user
 - d. The model should only be used by the client
6. What software is likely to be needed for a simulation study?
 - a. Spreadsheet software
 - b. Simulation package
 - c. Statistical software
 - d. All of the above