

TMA2 CIT425: Operations Research

1. _____ that represents the relationship between the variables in the form of formulas
Ans: Analytic
2. _____ is an imitation of the step-by-step process involved in the build-up of system relationships
Ans: Simulation
3. Models that assume that the situation being represented will not change, at least in its essential features, within the operational period, are called
Ans: Static
4. The Program Evaluation and Review Technique (PERT) uses a model that incorporates some _____ distribution of the durations
Ans: Probability
5. Linear programming model is an example of _____
Ans: All of the above
6. Which of the following is not true about Probabilistic model?
Ans: cannot predict the outcome within a certain stated or known degree of accuracy
7. When changes in the independent or input variables of a relationship result in constant proportional changes in the dependent, or output variables, it is termed
Ans: Linear
8. In a project management situation, the critical path method (CPM) uses a _____ network model in which the durations of the activities are assumed to be known for certain
Ans: deterministic
9. To construct a model. You need to observe real-word problem and make assumptions about influencing factors. This is called
Ans: abstraction
10. A Symbolic model is also known as a
Ans: Mathematical model