

Statistics - ICS Part 1 Statistics Chapter 6 Short Questions Preparation

Q1. What is meant by dependent event.
Ans 1: Two events A and B are said to be dependent if the occurrence of one even affects the occurrence of the other event.
Q2. What is classical Probability?
Ans 1: If there are n equally likely,mutually exclusive outcomes and m of which are favorable favourable to event A.then P(A)=no of favourable outcomes.no of possible outcomes =m/n
Q3. What do you mean by not mutually exclusive events?
Ans 1: If two events can occur together then these events are said to be not mutually exclusive events.
Q4. Distinguish between permutation and combination.
Ans 1: A permutation is an ordered arrangement of objects, whereas a combination is an arrangement without regard to their order.
Q5. Define probability?
Ans 1: Probability is the measure of uncertainty.
Q6. State the properties of a random experiment.
Ans 1:
 The experiment can be repeated any number of times. A random trail consists of at least two possible outcomes.
Q7. Define mutually exclusive events.
Ans 1: Two events A and B are said to be mutually exclusive if they can not occur together i.e A∩ B=θ
Q8. What are exhaustive events?

Ans 1: If the union of some mutually exclusive events is equal to the sample space then these events are said to be exhaustive

events.			

Q9. Differentiate between independent and dependent events.

Ans 1: If the occurrence of event A affect the occurrence of event B the A and B are said to be depended are of the occurrence of event A does not effect the occurrence of event B them A and B are independent.

Q10. What is meant by independent events.

Ans 1: Two events A and B are said to be independent if the occurrence of one does not affected the occurrence of the other.