

Statistics - ICS Part 1 Statistics Chapter 6 Short Questions Preparation

Q1. Define event.

Ans 1: Any subject of the sample space is called event.

Q2. 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.

Q3. Define probability?

Ans 1: Probability is the measure of uncertainty.

Q4. Differentiate between Simple even and Compound event.

Ans 1: If an events consists of one sample point,it is called simple events if an event consist of more than one sample point it is called a Compound event.

Q5. Write the mathematical definition of probability.

Ans 1: The probability of an event A is the ratio of the number of sample points in A to the total number of sample point in s is $P(S)=n(A)/n(S)$

Q6. Write down the differnet set operations.

Ans 1: Four set operations are

Ans 2: 1- Union of sets

Ans 3: 2- Interaction of set

Ans 4: 3- Difference of setts

Ans 5: 4- Complement of a set

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 $A \cap B = \emptyset$

Q8. State the properties of a random experiment.

Ans 1:

1. The experiment can be repeated any number of times.
 2. A random trial consists of at least two possible outcomes.
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Q9. What is relative frequency definition of probability?

Ans 1: If an experiment is repeated a large number of times say n under uniform conditions and if the event, A occurs m times then the probability of A is defined by the relative frequency which approaches a limit as n increases.

Q10. What is meant by dependent event.

Ans 1: Two events A and B are said to be dependent if the occurrence of one event affects the occurrence of the other event.
