

STT205

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1. Binomial table is very useful when the number of _____ is large, say 20

success

--->> trials

outcome

process

2. The mean of a binomial distribution is given as $n \times p$, that is the number of trials multiplied by the probability of _____

trial

process

outcome

--->> success

3. The mean of the probability distribution is the expected value of the random variable that has the _____ distribution

random

joint

same

--->> specified

4. The relative frequency of a value of a variable is approximately _____ to the probability of that value

not equal

--->> equal

higher

lower

5. When there is a sequence of the trials we have a _____

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--->> process

outcome

success

6. Binomial tables are used to solve problems involving probability of _____

trial

process

outcome

--->> success

7. A Binomial distribution is derived from a process known as a Bernoulli _____

--->> trial

event

set

mean

8. There are 5 trials and 2 successes, we can have the possible arrangements for the 2 successes $\frac{5!}{2!(5-2)!}$ this is equal to _____

8

--->> 10

20

15

9. Variance of the probability distribution of a discrete random variable is given as _____

$E\left(X_i\right)^2$

$E\left(\mu\right)^2$

--->> $E\left(X_i-\mu\right)^2$

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10. Two events A and B are complimentary if and only if _____

$$P(B)=1-P(A)$$

$$\text{---}>> P(B)=P(B)$$

$$P(B)=P(A)$$

$$P(B)=2-P(B)$$

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