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زمان آزمون (دقیقه) : تستی : ۱۲۰   تشریحی : ۰

عنـــوان درس: زبان تخصصی

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1- Descriptive statistics..... .

1. is the number of times a score

2. is reasoning from the general to the specific

3. is a method of proving theorem

4. expresses some particular characteristic of a set of data

2- One definition of .... is that it is a method of taking chance factors into account when you use samples to reach conclusions about populations.

1. parametric statistics
2. non-parametric statistics
3. mean
4. inferential statistics

3- What is the main purpose of the following paragraph?
The sample size is an important feature of any empirical study in which the goal is to make inferences about a population from a sample.

1. importance of sample size
2. importance of sample
3. importance if population
4. importance of the goal

4- The arrangement of score values from high to low and the frequency of each score is called.

1. observation
2. frequency distribution
3. distribution
4. frequency

5- A subset of population is .... .

1. data
2. frequency
3. sample
4. covariance

6- .... is a technique of reaching unknown amount about population.

1. inference
2. calculation
3. ANOVA
4. data reduction

7- Which probability distribution is appropriate for a count of events when the events of interest occur randomly, independently of one another and rarely?

1. normal
2. poisson
3. binomail
4. uniform

8- Elements with common properties is called....

1. sample
2. data
3. population
4. Nonparametric

کارشناسی

دانشگاه پیام نور
مرکز آزمون و سنجش

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9- **Which of the following statement is not true for an exponential distribution with parameter λ?**

1. mean = 1 / λ and standard deviation = 1 / λ

2. the area under the curve is equal to one

3. the distribution is a two-parameter distribution since the mean and standard deviation are equal

4. the distribution is completely determined once the value of λ is known

10- **Which of the following is not a characteristic of the normal distribution?**

1. it is a symmetrical distribution

2. the mean is always zero

3. it is a bell-shaped distribution

4. the area under the curve equals one

11- **Which of the following statements is not correct concerning the probability distribution of a continuous random variable?**

1. the vertical coordinate is the probability density function

2. the range of the random variable is found on the x-axis

3. the total area represented under the curve will equal 1

4. the area under the curve between points a and b represents the probability that X = a

12- **When using a single die, what is the probability of rolling and odd number?**

1. 0/5

2. 0/6

3. 0/1

4. 0/2

13- **How consumers' intentions to buy the brand varies with different price levels is best analyzed via**

1. ANOVA

2. T-TEST

3. REGRESSION

4. ANCOVA

14- **A perfectly balanced coin will have a probability of a head equal to …………**

1. 0/5

2. 0/6

3. 1

4. 0/2

15- **If a sample space contains finite or infinite number of sample points, such a space is referred to as …………. sample space.**

1. measurable

2. countable

3. acceptable

4. occure

16- **When we are choosing a randomWhen we are choosing a random sample and we do not place chosen units back into the population, we are: sample and we do not place chosen units back into the population, we are:**

1. Sampling with Replacement

2. Sampling without Replacement

3. Using a Systematic Sample

4. Using a Voluntary Response Sample

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17- **A _____ is an examination of all the units in a population.**

1. random sampling with replacement
2. random sampling without replacement
3. statistical inference
4. census

18- **A _____ variable can have values that are numbers on the real number line.**

1. qualitative
2. quantitative
3. rand om
4. nominative

19- **The probability of making a Type I error is denoted by .... .**

1. a
2. b
3. 1 - a
4. 1 - b

20- **When the p-value is used for hypothesis testing, the null hypothesis is rejected if ....**

1. p-value £ a
2. a < p-value
3. p-value ³ a
4. p-value = a

21- **In s Simple linear regression, which of the following statements indicates there is no linear relationship between the variables x and y?**

1. Coefficient of determination is -1.0.
2. Coefficient of correlation is zero.
3. Sum of squares for error is 0.
4. None of these choices.

22- **The best definition for " Hypothesis " is**

1. An unproved theory proposition
2. A proved theory proposition
3. A unproved theory assumption
4. A proved theory assumption

23- **What is the best definition for "Supposition"?**

1. perposition
2. assumption
3. rejection
4. decision

24- **What is the closest definition of " outlying""?**

1. For out from a certain point
2. overal
3. pair
4. axis

25- **What is the closest definition of " Predicted""?**

1. overall
2. foretell
3. proper
4. pair

26- **What is the definition of "In general"?**

1. axis
2. overall
3. act
4. hypotheisi

27- **What is the closest definition of "Independent"?**

1. free from control
2. tow cases
3. random
4. ovreall

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28- **What is the closest definition of 'choice'?**

   1. deal   2. select   3. reject   4. accept

29- **The normal curve represents a distribution where the........., ... and .... are equal to each other.**

   1. range / standard deviation / variance   2. mean / median / standard deviation

   3. mode/ median / standard deviation   4. mode/ median/mean

30- **Which of the following symbols represents the mean of the sample?**

   1. s2   2. s   3. m   4. $\bar{x}$