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THE PERSON

Online Exams

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Patients arrive at a hospital accident and emergency department at a random rate of 6 per hour.

Find the probability that during 90 minutes period the number of patience arriving at the hospital accident and emergency department is.

0.41259

At least 10

0.41259

Choose...

Choose...

0.11712

0.08392

0.41259

0.55029

0.39370

0.11712



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Which of the statements is false?

Select one:

- Variance is a measurement of dispersion.
- The units being used in the variance are not meaningful always. X
- Variance is highly effected by the extreme values of the data set.
- Variance can be zero for some data sets.
- None of the above

Next pa



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In an experiment of rolling two dice, the first die shows a ONE and the other die rolls under the table and you cannot see it. Now, what is the probability that both die show ONE?

Select one:

0 1/3

· 1/6 /

0 1/36

9/36

None of the above

0

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In a classroom, 30% of students are doing Mathematics while 60% are doing Statistics. 10% are doing both of these subjects. What percentage is doing none of these subjects?

Select one:

0.6

0.3

0 0.5

0.2

0.1



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Suppose that in a national survey of 500 randomly selected adults, each person is asked how important religion is to him or her (very, fairly, not very), and whether the person favors or opposes stricter regulation of what can be broadcast on network television.

How many variables are there?

What is the sample size?

Choose... 500 V

Not given

600

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The collection and summarization of the socioeconomic and physical characteristics of the employees of a particular firm is an example of

- Inferential statistics.
- Descriptive statistics.
- A parameter.
- A statistic
- None of the above.



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A man sells electronic devices in his shop at an average rate of 2 per day. What is the probability that the man sells at least 3 "electronic devices" in a week (7days)?

Select one:

- · 0.99991 J
- 0.65412
- 0.85456
- 0.21454
- 0.75442

0

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Following is not an example for a survey error.

Select one:

- Sampling error
- Measurement error
- Selection bias
- Non-response bias



None of the above



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Demen 15

THE PERSON

Patients arrive at a hospital accident and emergency department at a random rate of 6 per hour.

Find the probability that during 90 minutes period the number of patience arriving at the hospital accident and emergency department is,

At least 10

Exactly 77

0.08392

0.41259

0.55029

0.39370

0.11712

0.13768



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The mean and the median of the set given below



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| 13.5, 12.6, 14.6, 19.2, | | the following data | 1/1/ |
|-------------------------|----------|--------------------|------|
| | | 716. | 214 |
| Mean | Choose • | | 1. 4 |
| Standard deviation | Choose * | 1. | 154 |

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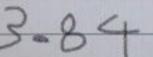
The probability of a machine producing a defective part is 0.04. Consider a sample of 100 parts.

what is the rate of the occurrence in this distribution?



What is the probability of having exactly 5 defective parts? (Round your answer upto 5 decimal places)

What it the variance of this distribution?



Choose...

Choose

4.32

0.15926

3.84

0.15629

0.37116

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Let X' be the number of passengers in a particular vehicle and it's probability distribution. Find the probability of having at least two passengers in a given vehicle?

| × | 0 | 1 | 2 | 3 | 4 |
|--------|-----|-----|---|-----|-----|
| P(X=X) | 0.2 | 0.1 | a | 0.3 | 0.1 |

Select one:

- 0 0.5
- 0.7
- 0.6
- 0.2
- 0.4

- 8.7 = 0.3



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Nation 5
Not yet answered
Market out of
1.00
Fing question

In a Car Sale an average of 3 out of every 5 customers would make a business. A random sample of 10 were selected. Find the probability that at least 9 people would make a business.

Select one:

0.2546

0.0146

,

0.0245

0.2145

0.0464

3 -> 60 001

B





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The mean and the median of the set given below

11, 26, 43, 15, 60, 18, 25

- Mean = 28.29 and Median = 25
- Mean = 25 and Median = 28.5
- Mean = 27.29 and Median = 26.5
- Mean = 28.5 and Median = 27
- None of the above



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vered

tion

When selecting individuals for the sample, some individuals in the population have no chance of being selected to the sample (Or some individuals are excluded from the sampling frame). This survey error is known as,

Select one:

- Sampling error
- Measurement error
- Coverage error
- Non-response bias
- None of the above

≡ Quiz









Time left (

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Consider a computer system with Poisson job-arrival stream at an average of 2 per minute. Determine the probability that in any one-minute interval there will be 0 job arrivals.

- 0.28811
- 0.41136
- 0.17492
- 0.03655
- 0.13534





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| | 2 | 3 | 4 | 5 |
|--------|-----|-----|---|-----|
| P(X=X) | 0.2 | 0.3 | a | 0.3 |

Find E(2X+5)

- @ 15.2
- 0 11.2
- 12.2
- 0 12.5
- 10.5



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Plag question

In a class room, there are 50 students. You are asked to analyze the relationship between Age and Height of students. What is the **suitable graphical tool** which can be used to describe these two variables together?

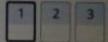
Select one:

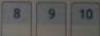
- Pie Chart
- Scatter Plot
- Bar Chart
- Clustered Bar Chart



Histogram

■ Quiz navig

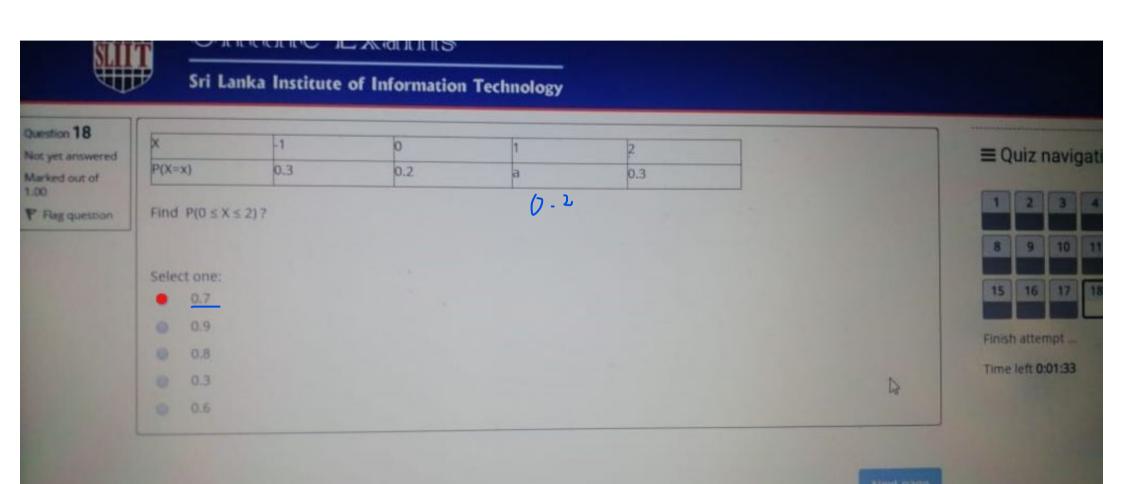


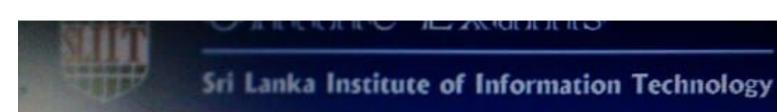




Finish attempt ..

Time left 0:59:40





Select the incorrect statement?

- Histogram can be used to describe numerical variables
- Pie chart can be used to describe one categorical variable
- Two way table can be used to describe two categorical variables
- Boxplot can be used to describe only one categorical variable
- Stem and leaf plot can be used to describe numerical variables.



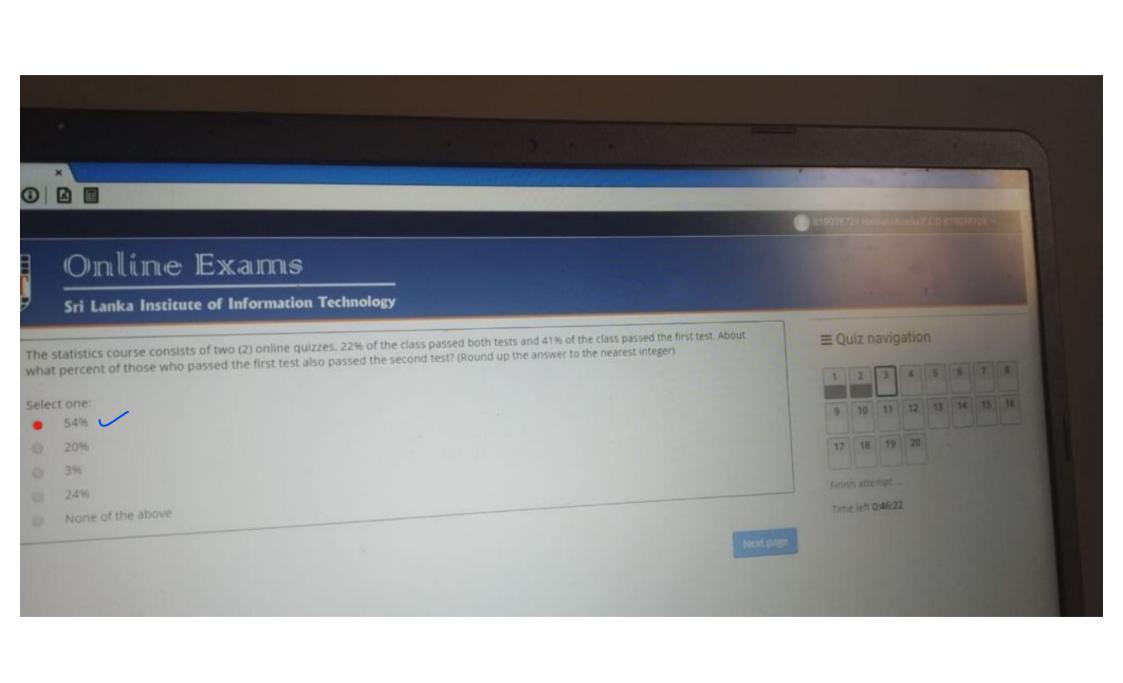
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E. Heat question

An example for a probability sampling method is,

- Quota sampling method
- Convenience sampling method
- Stratified random sampling method
- Volunteer sampling method
- None of the above



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Consider a computer system with Poisson job-arrival stream at an average of 2 per minute. Determine the probability that in any one-minute interval there will be 0 job arrivals.

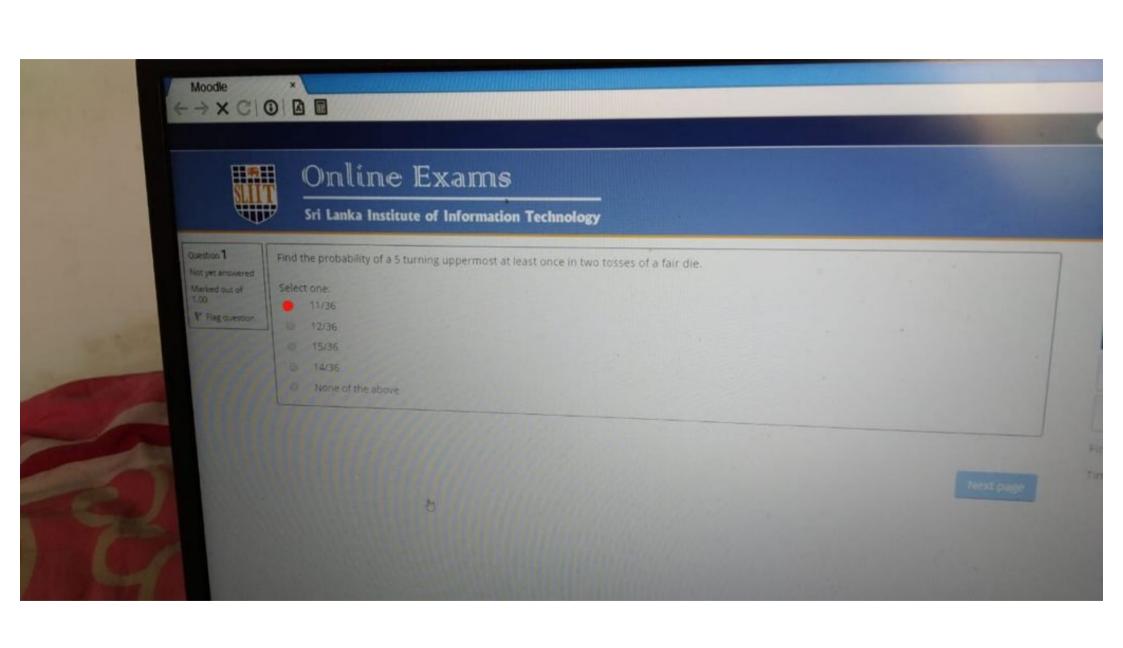
- 0.28811
- 0.41136
- 0.17492
- 0.03655
- 0.13534



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An example for a nominal categorical variable is,

- Importance of culture to respondent (very, somewhat, or not very important)
- Opinion about a new political law (favor or oppose)
- Length of forearm from elbow to wrist (in centimeters)
- Number of songs on a digital music player/
- None of the above





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Notice answered
Marked out of

Y Ray QUESTION

Which of the following is not a form of non-probability sampling?

- Quota sampling.
- Convenience sampling.
- Cluster sampling.
- Purposive/Judgement sampling
- They are all forms of non-probability sampling.