STA301 - Statistics and Probability

(Mid-Term) 2021 GRAND Quiz 100% Correct Solve (Alhamdulillah)

BY Virtual Assistance Sonu Ilyas Mughal

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https://www.youtube.com/channel/UCjboEX65C_yN7as5di1OuIQ/playlists Sadiq Ahmed

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STA301:Grand Quiz Quiz

Question # 1 of 30 (Start time: 11:08:43 AM, 25 June 2021)

A Histogram contains a set of:

Select the correct option

- Adjacent squares
- Non Adjacent rectangles
- Adjacent rectangles
- Adjacent triangles

Click to Save A

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Question # 2 of 30 (Start time: 11:09:24 AM, 25 June 2021)

If a player well shuffles the pack of 52 playing cards, then the probability of a black card from 52 playing cards is:

Select the correct option

- 1\52
- 1\13
- 1\2
- 13\52

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Question # 3 of 30 (Start time: 11:09:59 AM, 25 June 2021)

If the first and third quartiles are 22.16 and 56.36 respectively, then the quartile deviation is:

Select the correct option

- 50.5
- 30.5
- 17.1
- 51.3

Click to Save

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Qu

Question # 4 of 30 (Start time: 11:10:39 AM, 25 June 2021)

In how many ways,a team of 11 players can be chosen from a total of 16 players?

Select the correct option

- 2426
- 4368
- 2680
- 5400

Click to Save

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Quiz S

Question # 5 of 30 (Start time: 11:11:15 AM, 25 June 2021)

If

X	0	1	2	3
f(x)	1/6	1/3	1/3	1/6

What will be the mean of the following distribution?

Select the correct option

- 1/3
- 4/9
- 3/2
- 1/2

Click to Save Ans

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Question # 6 of 30 (Start time: 11:11:47 AM, 25 June 2021)

In a linear regression, Y=a+bX, the variable "Y" will always:

Select the correct option

- Qualitative variable
- A non-random variable
- Quantitative variable
- A random variable

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Quiz Start Time: 11:08 AM, 25

Question # 7 of 30 (Start time: 11:12:23 AM, 25 June 2021)

Tota

By using method of least square in a linear regression, sum of square of the vertical distances between the points and fitted line is always:

Select the correct option

- Maximum
- All of these
- Zero
- Minimum

Click to Save Answer & Move to Next Qu

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Question # 8 of 30 (Start time: 11:13:00 AM, 25 June 2021)

Which of the following Measure of Averages is not based on all the values given in the data set?

Select the correct option

- ○ Harmonic Mean
- ● Mode
- ○ Arithmetic Mean
- ○ Median

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Quiz S

Question # 9 of 30 (Start time: 11:13:32 AM, 25 June 2021)

When all the values falling in a class are equal to the mid point of the class interval is called.....?

Select the correct option

- Grouping Error
- Random error
- Unbiased Error
- Biased Error

Click to Save Ans

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Quiz Start Time

Question # 10 of 30 (Start time: 11:13:56 AM, 25 June 2021)

A distribution having two modes is called:

Select the correct option

- Tri-modal distribution
- Uni-modal distribution
- Bi-modal distribution
- Multimodal distribution

Click to Save Answer & M

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Quiz Start T

Question # 11 of 30 (Start time: 11:14:27 AM, 25 June 2021)

A circle in which sectors represents various quantities is called:

Select the correct option

- ○ Histogram
- ○ Frequency Polygon
- ○ Component Bar Chart
- ● Pie Chart

Click to Save Answer

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Question # 12 of 30 (Start time: 11:15:03 AM, 25 June 2021)

To find the average speed of a journey which is the appropriate measure of central tendency.

Select the correct option

- ○ Geometric Mean
- ○ Weighted Mean
- ○ Mode
- ● Harmonic Mean

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Question # 13 of 30 (Start time: 11:15:43 AM, 25 June 2021)

The number of classes is a frequency distribution depends upon:

Select the correct option

- Average
- Population
- Sample
- Range

Clic

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Question # 14 of 30 (Start time: 11:16:21 AM, 25 June 2021)

If median>mid-quartile range>midrange then distribution will be:

Select the correct option

- Negatively skewed
- Positively skewed
- Symmetrical
- Zero skewed

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Question # 15 of 30 (Start time: 11:16:48 AM, 25 June 2021)

The total number of observations, which are below a certain value are known as:

Select the correct option

- Class boundaries
- Variances
- Class marks
- Cumulative frequency

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Question # 16 of 30 (Start time: 11:17:16 AM, 25 June 2021)

In how many ways a committee, consisting of 5 men and 6 women can be formed from 8 men and 10 women?

Select the correct option

- 5040
- 450
- 780
- 11760

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Question # 17 of 30 (Start time: 11:17:43 AM, 25 June 2021)

The repondent refuses to answer any of the question is called

Select the correct option

- Sample Information
- Target Population
- Total non-response
- Partial non-response

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Question # 18 of 30 (Start time: 11:18:15 AM, 25 June 2021)

The occurrence of sum of 11 when a pair of die is thrown is an example of:

Select the correct option

- Simple event
- Compound event
- Mutually exclusive event
- Random event

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Quiz Start Time: 11:08 AM, 25 June 2(

Question # 19 of 30 (Start time: 11:18:45 AM, 25 June 2021)

Total Mark

From a group of 7 men and 6 women, five persons are to be selected to form a committee so that at least 3 men are there on the committee. In how many ways can it be done?

Select the correct option

- 865
- 564
- 756
- 645

Click to Save Answer & Move to Next Question

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Question # 20 of 30 (Start time: 11:19:14 AM, 25 June 2021)

Which of the following is a subset of population?

Select the correct option

- Distribution
- Data
- Sample
- Set

Click to Save Answ

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Question # 21 of 30 (Start time: 11:19:44 AM, 25 June 2021)

Dispersion means the ..... that exists in a data set.

Select the correct option

- Variability
- Wekness
- Similiarty
- Strenth

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Question # 22 of 30 (Start time: 11:20:07 AM, 25 June 2021)

Half of the difference between upper and lower quartiles is called:

Select the correct option

- Standard deviation
- Mean deviation
- Quartile deviation
- None of these

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Question # 23 of 30 (Start time: 11:21:03 AM, 25 June 2021)

The arrangement of data in rows and columns is called:

Select the correct option

- Cumulative frequency distribution
- Classification
- Tabulation
- Frequency distribution

Click to

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Question # 24 of 30 (Start time: 11:21:33 AM, 25 June 2021)

Ranking scale also include the properties of which scale?

Select the correct option

- Nominal scale
- Interval scale
- All of these
- Ratio scale

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Question # 25 of 30 (Start time: 11:22:05 AM, 25 June 2021)

The number of times each value appears is called the value's:

Select the correct option

- Range
- Standard Deviation
- Mode
- Frequency

Click to Save

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Question # 26 of 30 (Start time: 11:22:34 AM, 25 June 2021)

The Random errors are also called

Select the correct option

- Unbiased Errors
- Biased Errors
- Systematic Errors
- Cumulative Errors

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Question # 27 of 30 (Start time: 11:22:59 AM, 25 June 2021)

If we roll three fair dice then the total number of outcomes are:

Select the correct option

- 18
- 216
- 36
- 1296

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Question # 28 of 30 (Start time: 11:23:24 AM, 25 June 2021)

In the sequence of Five number summary which will be the last value:

Select the correct option

- Q1
- Xm Answer
- X0
- Median

Click to Sa

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Question # 29 of 30 (Start time: 11:24:51 AM, 25 June 2021)

The number of classes in a frequency distribution is obtained by dividing the range of variable by the:

Select the correct option

- Relative frequency
- Mid-point
- Class interval
- Total frequency

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Question # 30 of 30 (Start time: 11:25:30 AM, 25 June 2021)

The sum of squared deviations from mean is:

Select the correct option

- Maximum
- Undefined
- Zero
- Minimum

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Question # 1 of 30 (Start time: 11:29:26 AM, 25 June 2021)

An event that contains more than one sample points is called:

Select the correct option

- Not mutually exclusive event
- Compound event
- Mutually exclusive event
- Hyper event

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Question # 2 of 30 (Start time: 11:30:10 AM, 25 June 2021)

Let A = {1, 2, 3, 4} and B = {3, 4, 5, 6} Then A ∩ B:

Select the correct option

- {3, 5}
- {3, 4}
- {1, 4}
- {3, 6}

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Question # 3 of 30 (Start time: 11:30:38 AM, 25 June 2021)

A coin is tossed 4 times in succession. What is the probability that at least one head occurs?

Select the correct option

- 2/16
- 15/16
- 1/16
- 16/15

Click to Save A

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Question # 4 of 30 (Start time: 11:31:03 AM, 25 June 2021)

If the mean of two observations is 11.5, then the median of these two observations will be:

Select the correct option

- 11.5
- 9.5
- 10.5
- 8.5

Click to Save Answe

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Question # 5 of 30 (Start time: 11:31:26 AM, 25 June 2021)

Larger the quartile deviation:

Select the correct option

- Lesser is the scatter of values
- May be both; greater and lesser
- None of the above
- Greater is the scatter of values

Click to Save Answer

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Question # 6 of 30 (Start time: 11:31:53 AM, 25 June 2021)

The most repeated (popular) value in a data set is called:

Select the correct option

- Harmonic Mean
- Mode
- Median
- Geometric Mean

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Question # 7 of 30 (Start time: 11:32:18 AM, 25 June 2021)

From the following table;

x	2	3	4	5	6
P(x)	1/6	2/6	1/6	1/6	1/6

The value of sum{x P(x)} will be:

Select the correct option

- 2.14
- 6.25
- 3.65
- 3.83

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Question # 8 of 30 (Start time: 11:32:55 AM, 25 June 2021)

In inferential statistics, we study

Select the correct option

- how to make decisions about mean, median, or mode
- the methods to make decisions about population based on sample results
- None of the above
- how a sample is obtained from a population

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Quiz Start Time: 11:29 AM, 25 June 202

Question # 9 of 30 (Start time: 11:33:22 AM, 25 June 2021)

Total Marks:

A bag contains 3 red balls, 4 green balls, and 5 blue balls. One ball is taken from the bag and then replaced. Another ball is taken from the ball. What is the probability that the first ball is red and the second ball is blue?

Select the correct option

- 12/98
- 6/72
- 10/90
- 5/48 (●)

Click to Save Answer & Move to Next Question

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Quiz Start Time: 11:29 AM, 25 J

Question # 10 of 30 (Start time: 11:33:50 AM, 25 June 2021)

Total

$$Chebyshev's\ inequality\ states\ that\ atleast\ 1 - \frac{1}{k^2}\ of\ the\ data\ values\ fall\ between:$$

Select the correct option

Reload Math Eq

- $\bar{X} \pm k\sigma$ (●)
- $\bar{X} + k\sigma$
- $\bar{X}/k\sigma$
- $\bar{X} - k\sigma$

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Question # 11 of 30 (Start time: 11:34:16 AM, 25 June 2021)

P(event)= No. of favorable outcomes/total no. of outcomes is a definition of:

Select the correct option

- Normal event
- Subjective Approach
- Binomial event
- Objective Approach

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Quiz Star

Question # 12 of 30 (Start time: 11:34:44 AM, 25 June 2021)

Frequency distribution is considered as negatively skewed if all values of distribution moves to

Select the correct option

- variance tail
- upper tail
- median tail
- lower tail

Click to Save Answe

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Question # 13 of 30 (Start time: 11:35:13 AM, 25 June 2021)

Let A and B are two independent events. If P (A∩B) =0.12 and P (A) =0.3 then find P (B).

Select the correct option

- 0.36
- 0.12
- 0.4
- 0.3

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Question # 14 of 30 (Start time: 11:35:46 AM, 25 June 2021)

$^5C_5$ is equal to

Select the correct option

- 24
- 1
- 10
- 5

Click to Save Answe

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Question # 15 of 30 (Start time: 11:36:16 AM, 25 June 2021)

Total angles in pie chart are

Select the correct option

- 270
- 300
- 180
- 360

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Question # 16 of 30 (Start time: 11:36:43 AM, 25 June 2021)

The independent events can never be _____ events.

Select the correct option

- (●) Mutually Exclusive
- ( ) Not Mutually Exclusive
- ( ) Equally likely Events
- ( ) All of the above

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Question # 17 of 30 (Start time: 11:37:06 AM, 25 June 2021)

Harmonic mean is the reciprocal of

Select the correct option

- Median
- Geometric mean
- Mode
- Arithmetic mean

Click to Save Ans

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Question # 18 of 30 (Start time: 11:37:32 AM, 25 June 2021)

Which of the following best expresses the General Addition Rule?

Select the correct option

- P(A or B) = P(A) + P(B) + P(A and B)
- P(A or B) = P(A) + P(B) - P(A and B)
- None of the above.
- P(A or B) = P(A) + P(B

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Question # 19 of 30 (Start time: 11:37:58 AM, 25 June 2021)

A bag contains 10 white, 2 orange and 3 black balls. What is the probability of black balls?

Select the correct option

- 3/15
- 5/15
- 2/15
- 10/15

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Question # 20 of 30 (Start time: 11:38:25 AM, 25 June 2021)

The probability of drawing a red queen card from well-shuffled pack of 52 playing cards is

Select the correct option

- 13/52
- 2/52
- 26/52
- 4/52

Click to Save

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Quiz Start Time

Question # 21 of 30 (Start time: 11:38:58 AM, 25 June 2021)

Variance is expressed in ..... units as the units of data set.

Select the correct option

- (●) Squared
- ( ) Cube
- ( ) Same
- ( ) Single

Click to Save Answer & M

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Quiz Sta

Question # 22 of 30 (Start time: 11:39:21 AM, 25 June 2021)

In symmetrical distribution:

Select the correct option

- mean=median=mode
- Mean>median>mode
- mean=median=mode
- mean<median<mode

Click to Save Answ

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Question # 23 of 30 (Start time: 11:39:51 AM, 25 June 2021)

Which one of the following is greater than mean for a symmetrical distribution:

Select the correct option

- 4th Decile
- 2nd Quartile
- 50th Percentile
- 51th Percentile

Click to Save Answ

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Question # 23 of 30 (Start time: 11:39:51 AM, 25 June 2021)

Which one of the following is greater than mean for a symmetrical distribution:

Select the correct option

- 4th Decile
- 2nd Quartile
- 50th Percentile
- 51th Percentile

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Question # 24 of 30 (Start time: 11:40:49 AM, 25 June 2021)

Positive square root of variance is known as:

Select the correct option

- ● Standard Devation
- ○ Mean deviation
- ○ Range
- ○ All above

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Question # 25 of 30 (Start time: 11:41:18 AM, 25 June 2021)

The standard deviation of -1, -1, -1, -1 will be

Select the correct option

- -1
- 1
- 0
- Does not exist

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Question # 26 of 30 (Start time: 11:41:48 AM, 25 June 2021)

Number which occurs most frequently in a set of numbers is

Select the correct option

- ● Mode
- ○ None of above
- ○ Median
- ○ Mean

Click to S

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Question # 27 of 30 (Start time: 11:42:12 AM, 25 June 2021)

Mean deviation is a measure of dispersion in which deviations are taken around the:

Select the correct option

- First Quartile
- None of the above
- Third Quartile
- Mean

Click to Sav

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Question # 28 of 30 (Start time: 11:42:41 AM, 25 June 2021)

A bag contains 12 red balls and 12 blue balls. A ball is drawn at random. The probability that ball drawn is red is

Select the correct option

- 1/2
- 6/10
- 5/11
- 1

Click to Save

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Quiz Start Time:

Question # 29 of 30 (Start time: 11:43:04 AM, 25 June 2021)

From a pack of 52 cards, two cards are drawn together at random. What is the probability of both the cards being kings?

Select the correct option

- 1/221
- 25/57
- 1/122
- 1/15

Click to Save Answer & Mo

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Question # 30 of 30 (Start time: 11:43:32 AM, 25 June 2021)

Half of the observations are always larger than:

Select the correct option

- Total
- Mean
- Mode
- Median

C

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Quiz Start Time: 1

Question # 1 of 30 (Start time: 11:47:44 AM, 25 June 2021)

Suppose that a sample space S consists of four simple events: A, B, C, and D. That is S = {A, B, C, D}. If P(A) = .4, P(B) = .3, P(C) = .2, what is P(D)?

Select the correct option

- 0.2
- None of them
- 0.1
- 0.9

Click to Save Answer & Mar

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Question # 2 of 30 (Start time: 11:48:17 AM, 25 June 2021)

The mode value from raw data can be obtained by the help of:

Select the correct option

- ● Stem and leaf
- ○ Dot plot
- ○ Pie chart
- ○ Bar chart

Click to Save An

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Question # 3 of 30 (Start time: 11:48:42 AM, 25 June 2021)

Second moment about mean will be equal to:

Select the correct option

- Mean
- 0
- Median
- Variance

Click to Save A

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Question # 4 of 30 (Start time: 11:49:10 AM, 25 June 2021)

Using the following table, choose the correct answer;

X	0	1	2	3
f(x)	1/6	1/3	1/3	1/6

P(1<X<3) equals to:

Select the correct option

- 2/3
- 4/6
- 1/3
- 5/6

Click to Save Ans

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Question # 5 of 30 (Start time: 11:49:37 AM, 25 June 2021)

For a symmetrical distribution, b1 is always:

Select the correct option

- Equal to 0
- Greater than 1
- Less or equal to 1
- Less than 1

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Question # 6 of 30 (Start time: 11:50:02 AM, 25 June 2021)

Value of harmonic mean depneds on _____

Select the correct option

- Both extreme values and few observations
- Extreme Values
- All of the above
- Few observations

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Question # 7 of 30 (Start time: 11:50:34 AM, 25 June 2021)

In a well shuffled pack of 52 playing cards, the probability of drawing a diamond card is:

Select the correct option

- 1/52
- 13/52
- 52/52
- 4/52

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Quiz Start T

Question # 8 of 30 (Start time: 11:51:15 AM, 25 June 2021)

The median of 7, 6, 4, 8, 2, 5, 11 is

Select the correct option

- 4
- 12
- 6
- 11

Click to Save Answer &

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Question # 9 of 30 (Start time: 11:51:48 AM, 25 June 2021)

For the given set of observations 1,4,4,4 and 7, it can be said that the:

Select the correct option

- None of the above
- mean is larger than either median or mode
- Mean>Median>Mode
- Mean=Median=Mode

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Quiz S

Question # 10 of 30 (Start time: 11:52:17 AM, 25 June 2021)

Third moment about mean provides information about the_____ of the distribution.

Select the correct option

- Centre
- Dispersion
- Symmetry
- Kurtosis

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Quiz Start Time: 11:47 A

Question # 11 of 30 (Start time: 11:52:43 AM, 25 June 2021)

$Chebyshev's\ inequality\ states\ that\ atleast\ 1 - \frac{1}{k^2}\ of\ the\ data\ values\ fall\ between:$

Select the correct option

Reload

- $\bar{X} + k\sigma$
- $\bar{X} \pm k\sigma$
- $\bar{X} - k\sigma$
- $\bar{X}/k\sigma$

Click to Save Answer & Move to N

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Question # 12 of 30 (Start time: 11:53:11 AM, 25 June 2021)

If sum{ x P(x)} = 5.925 and S.D = 1.3, then C.V(X) will be:

Select the correct option

- 14.5%
- 21.9%
- 20.1%
- 16.7%

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Question # 13 of 30 (Start time: 11:53:43 AM, 25 June 2021)

The measure of dispersion which uses only two observations is called:

Select the correct option

- Median
- Coefficient of variation
- Mean
- Range

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Quiz S

Question # 14 of 30 (Start time: 11:54:18 AM, 25 June 2021)

In a five number summary, for a symmetrical distribution:

Select the correct option

- ○ Median, the mid-quartile range and the midrange would be equal.
- ○ Distance between Q1 and median equals to distance from median to Q3
- ● All of above
- ○ Distance from X0 to Q1 equals to the distance from Q3 to Xm

Click to Save Ans

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Question # 15 of 30 (Start time: 11:54:52 AM, 25 June 2021)

Serious disadvantage of using range as a measure of dispersion is that it is based on only:

Select the correct option

- ○ Minimum Values
- ● Both Minimum and Maximum values
- ○ Maximum Values
- ○ None of the above

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Question # 17 of 30 (Start time: 11:55:49 AM, 25 June 2021)

The table which shows the frequency of each score is called a:

Select the correct option

- Histogram
- Pie chart
- Frequency distribution table
- Polygon

Click

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Question # 16 of 30 (Start time: 11:55:21 AM, 25 June 2021)

Component bar charts are used when data is divided into:

Select the correct option

- None of these
- Groups
- Circles
- Parts

Click to Save Answ

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Quiz St

Question # 18 of 30 (Start time: 11:56:37 AM, 25 June 2021)

$^5C_5$ is equal to

Select the correct option

- 24
- 1
- 5
- 10

Click to Save Answ

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Question # 19 of 30 (Start time: 11:57:04 AM, 25 June 2021)

In a histogram the are of each rectangle is proportional to:

Select the correct option

- Frequency of the corresponding class interval
- The class size of the corresponding class interval
- Cumulative frequency of the corresponding class interval
- The class mark of the corresponding class interval

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Question # 20 of 30 (Start time: 11:57:37 AM, 25 June 2021)

Mode of 12, 17, 16, 14, 13, 16, 11, 14 is

Select the correct option

- 13
- 11
- 14 and 16
- 14

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Question # 21 of 30 (Start time: 11:58:12 AM, 25 June 2021)

In a cumulative frequency polygon, the cumulative frequency of each class is plotted against:

Select the correct option

- Upper class boundary
- Lower class boundary
- Upper class limit
- Mid-point

Click to

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Question # 22 of 30 (Start time: 11:58:46 AM, 25 June 2021)

In inferential statistics, we study

Select the correct option

- None of the above
- the methods to make decisions about population based on sample results
- how a sample is obtained from a population
- how to make decisions about mean, median, or mode

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STA301:Grand Quiz

Question # 23 of 30 (Start time: 11:59:19 AM, 25 June 2021)

Pearson's coefficient of skewness cannot be used when standard deviation is:

Select the correct option

- 3
- 0
- 1.5
- 1

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Quiz Sta

Question # 24 of 30 (Start time: 11:59:54 AM, 25 June 2021)

If any of the value in the data set is negative then it is impossible to compute:

Select the correct option

- ○ Median
- ● Geometric Mean
- ○ Mode
- ○ Harmonic Mean

Click to Save Answe

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Question # 25 of 30 (Start time: 12:00:20 PM, 25 June 2021)

According to the Empirical relation, which one of the following is true?

Select the correct option

- 3 mean-median=mode
- 3median - 2mean=mode
- Mean-2median=mode
- Mean-3median=mode

Click to

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Question # 26 of 30 (Start time: 12:00:46 PM, 25 June 2021)

Positive correlation COEFFICIENT "r" will fall within the range:

Select the correct option

- -1<r<1
- All of these
- -1<r<0
- 0<r<1

Cli

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Question # 27 of 30 (Start time: 12:01:14 PM, 25 June 2021)

The headings of the columns of a table are called:

Select the correct option

- Captions
- Footnotes
- Stubs
- Source notes

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Question # 28 of 30 (Start time: 12:01:42 PM, 25 June 2021)

The total number of observations, which are below a certain value are known as:

Select the correct option

- Class marks
- Class boundaries
- Cumulative frequency
- Variances

Click t

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Question # 29 of 30 (Start time: 12:02:11 PM, 25 June 2021)

The stem for the following data is:
22, 45,36, 15,14, 12, 14, 14, 17, 21, 24, 24, 25, 25, 26, 26, 27, 29, 31, 34,35

Select the correct option

- ○ 1,2,3,4,5
- ● 1,2,3,4
- ○ 11,12,13,14,15
- ○ 10,20,30,40,50

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Question # 30 of 30 (Start time: 12:02:39 PM, 25 June 2021)

Quota sampling is an example of:

Select the correct option

- Non random sampling
- Random sampling
- Simple random sampling
- None of these

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Question # 1 of 30 (Start time: 12:06:24 PM, 25 June 2021)

Frequency of a variable is always in:

Select the correct option

- Integer form
- Percentage form
- Less than form
- Fraction form

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Quiz Start Time:

Question # 2 of 30 (Start time: 12:06:46 PM, 25 June 2021)

What is the median for the following values:

1.2, 0.25, 1.75, 2.15, 1.50

Select the correct option

- 1.75
- 1.5
- 2.15
- 1.2

Click to Save Answer & Mo

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Question # 3 of 30 (Start time: 12:07:22 PM, 25 June 2021)

In a linear regression, best fitted line is obtained through:

Select the correct option

- Method of semi average
- Method of likelihood
- Method of moment
- Method of least square

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Question # 4 of 30 (Start time: 12:07:51 PM, 25 June 2021)

What does the set comprising all possible outcomes of an experiment known as

Select the correct option

- Sure event
- Null event
- None of the above
- Elementary event

Click to Save A

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Question # 6 of 30 (Start time: 12:08:41 PM, 25 June 2021)

The number of classes in a frequency distribution is obtained by dividing the range of variable by the:

Select the correct option

- Relative frequency
- Total frequency
- Mid-point
- Class interval

Click to Save Answer &

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Question # 7 of 30 (Start time: 12:09:11 PM, 25 June 2021)

Which of the following best expresses the General Addition Rule?

Select the correct option

- P(A or B) = P(A) + P(B) - P(A and B)
- None of the above.
- P(A or B) = P(A) + P(B
- P(A or B) = P(A) + P(B) + P(A and B)

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Question # 8 of 30 (Start time: 12:09:37 PM, 25 June 2021)

If 10% is added to each value of variable, the geometric mean of new variable is added by:

Select the correct option

- 5%
- 10%
- No change
- 110%

Click to Save Ans

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Question # 9 of 30 (Start time: 12:10:04 PM, 25 June 2021)

The Geometric Mean of -2, -4, 3, 6, 0 will be:

Select the correct option

- 0
- 3
- -3
- Cannot be computed

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Quiz

Question # 10 of 30 (Start time: 12:10:31 PM, 25 June 2021)

Which of the following Measure of Averages is not based on all the values given in the data set?

Select the correct option

- Arithmetic Mean
- Harmonic Mean
- Median
- Mode

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Qu

Question # 11 of 30 (Start time: 12:10:58 PM, 25 June 2021)

Measure of central tendency is used to measure:

Select the correct option

- Average
- Location
- Both Average and Location
- Variability

Click to Save

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Question # 12 of 30 (Start time: 12:11:31 PM, 25 June 2021)

From the given data, which one of the following chart we can draw:

Year	Area	Production
1965-66	2866	1588
1970-71	3233	2229
1975-76	3420	1937

Select the correct option

- ○ Simple bar chart
- ○ None of these
- ○ Component bar chart
- ● Multiple bar charts

Click to Save Answ

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Question # 13 of 30 (Start time: 12:12:02 PM, 25 June 2021)

Relationship among the averages

Select the correct option

- HM ≥ GM ≥ AM
- GM ≤ HM ≤ AM
- AM ≥ HM ≤ GM
- AM ≥ GM ≥ HM

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Question # 14 of 30 (Start time: 12:12:36 PM, 25 June 2021)

A letter is chosen at random from the word STATISTICS. The probability of getting a vowel is:

Select the correct option

- 6/10
- 4/10
- 5/10
- 3/10

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Question # 15 of 30 (Start time: 12:13:03 PM, 25 June 2021)

Moment ratio b2 is used to measure:

Select the correct option

- ● Kurtosis
- ○ Skewness
- ○ Symmetry
- ○ Mean

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Question # 16 of 30 (Start time: 12:13:28 PM, 25 June 2021)

The mode of the values 2,2,4,4,4,5,6,7,7,8,8.

Select the correct option

- ● 4
- ○ 7
- ○ 2
- ○ 8

Click

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Quiz Start Time: 12

Question # 17 of 30 (Start time: 12:13:54 PM, 25 June 2021)

Which one of the following will be used to draw an OGIVE?

Select the correct option

- (●) A cumulative frequency distribution
- ( ) A frequency distribution
- ( ) A relative frequency distribution
- ( ) A joint frequency distribution

Click to Save Answer & Move

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Question # 18 of 30 (Start time: 12:14:31 PM, 25 June 2021)

The amount of hump of a distribution is called:

Select the correct option

- Skewness
- Symmetry
- Dispersion
- Kurtosis

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Quiz Start Time: 12:06 PM, 25 June 2

Question # 19 of 30 (Start time: 12:14:59 PM, 25 June 2021)

Total Mar

What is mode for the following set of data:

1,m,d,n,,2,d,2,d,s,5,5,7

Select the correct option

- (●) d
- ( ) 2
- ( ) 5
- ( ) 2,d,5

Click to Save Answer & Move to Next Questio

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Question # 20 of 30 (Start time: 12:15:26 PM, 25 June 2021)

In uni-model distribution, if mode is less than mean

Select the correct option

- Symmetrical
- Positively Skewed
- Negatively Skewed
- Symmetrical

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Quiz Start Time: 1

Question # 21 of 30 (Start time: 12:15:49 PM, 25 June 2021)

The probability of drawing 'zero white' ball from a bag containing 4 red, 8 black and 3 white balls is:

Select the correct option

- 1/2
- 0
- 12/15
- 8/15

Click to Save Answer & Mov

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Quiz Start Tim

Question # 22 of 30 (Start time: 12:16:26 PM, 25 June 2021)

For a symmetrical distribution having 10 values the mean is 20. Which one of the following is the mode of the distribution.

Select the correct option

- (●) 20
- ( ) 5
- ( ) 15
- ( ) 10

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Question # 23 of 30 (Start time: 12:17:01 PM, 25 June 2021)

Symbolically, a conditional probability is:

Select the correct option

- P(A/B)
- P(AUB)
- P(A)
- P(AB)

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Question # 24 of 30 (Start time: 12:17:24 PM, 25 June 2021)

For the following Distribution.

Items	Expenditure
Food	50
Clothing	30
House Rent	20
Fuel and Light	15
Miscellaneous	35

Select the correct option

- 84
- 72
- 36
- 120

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Question # 24 of 30 (Start time: 12:17:24 PM, 25 June 2021)

Food	50
Clothing	30
House Rent	20
Fuel and Light	15
Miscellaneous	35
Total	150

What will be the angle of Clothing for constructing the pie chart?

Select the correct option

- 84
- 72
- 36
- 120

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Question # 25 of 30 (Start time: 12:18:13 PM, 25 June 2021)

When population units are drawn into sample by using one's personal judgment, it is called:

Select the correct option

- None random sampling
- Random sampling
- Systematic sampling
- Stratified sampling

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Question # 26 of 30 (Start time: 12:18:37 PM, 25 June 2021)

For given data, discuss the shape of the distribution:

X	f
0	2
1	3
2	5
3	9
4	13

Select the correct option

- Negatively Skewed
- Positively Skewed
- Symmetric
- None of these

Click to Save

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Question # 26 of 30 (Start time: 12:18:37 PM, 25 June 2021)

1	3
2	5
3	9
4	13
5	15
6	20

Select the correct option

- ○ Negatively Skewed
- ● Positively Skewed
- ○ Symmetric
- ○ None of these

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Question # 27 of 30 (Start time: 12:19:16 PM, 25 June 2021)

If μ = 4.925 and S.D = 1.2, then C.V(X) will be:

Select the correct option

- 20.4%
- 24.36%
- 11.4%
- 15.3%

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Question # 28 of 30 (Start time: 12:19:44 PM, 25 June 2021)

Dividing mean deviation by mean we get a pure number known as

Select the correct option

- None of the above
- Co-efficient
- Co-efficient of mean deviation
- Co-efficient of quartile deviation

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Question # 29 of 30 (Start time: 12:20:10 PM, 25 June 2021)

Statistics is called the backbone of:

Select the correct option

- Mathematics
- Computer
- Engineering
- Research

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Question # 30 of 30 (Start time: 12:20:37 PM, 25 June 2021)

Which of the following measures of dispersion are based on deviations from the mean?

Select the correct option

- Standard deviation
- All of the these
- Variance
- Mean deviation

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Quiz Sta

Question # 5 of 30 (Start time: 12:08:13 PM, 25 June 2021)

A scale in which objects are rank ordered according to how much of the attribute they possess.

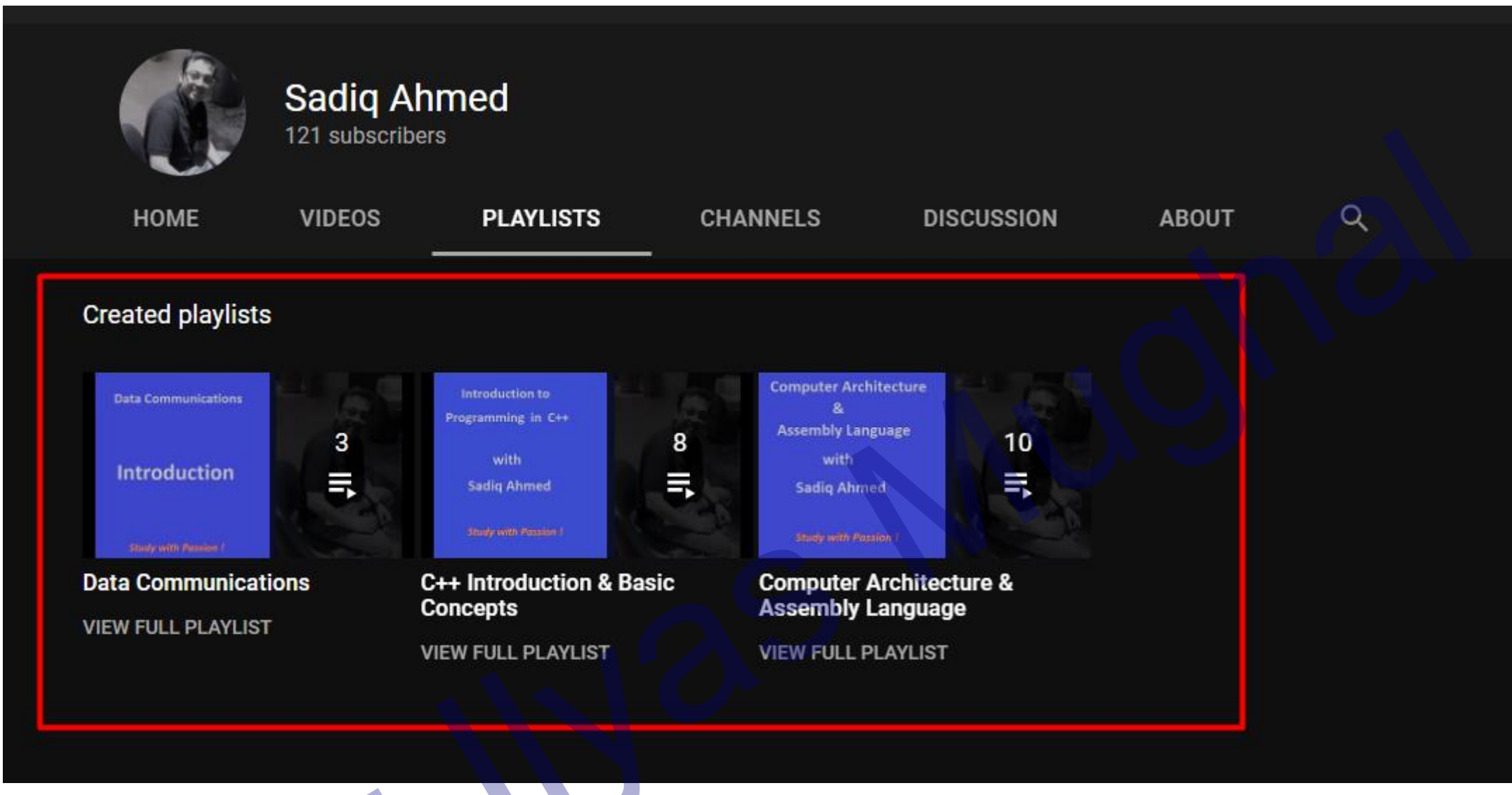
Select the correct option

- Ratio
- Nominal
- Interval
- Ordinal

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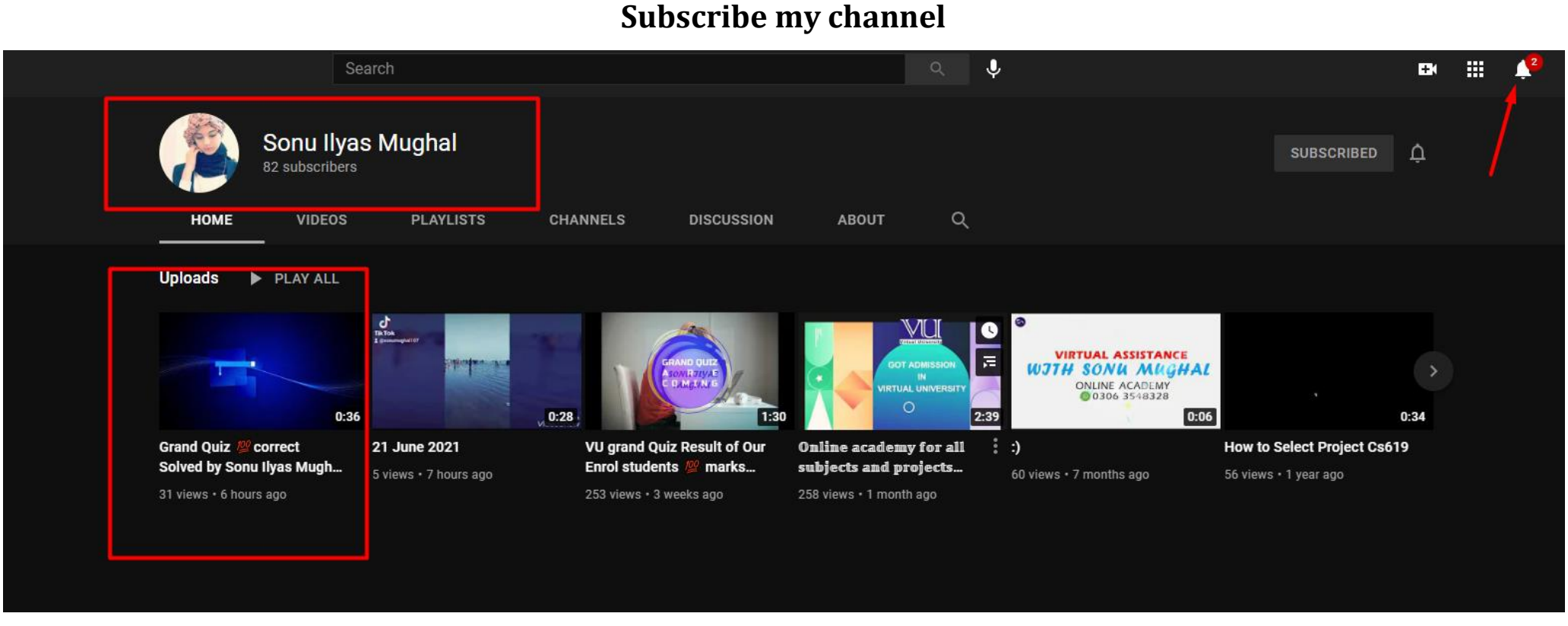


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