

MTH302 MCQs (unsolved)

Covering lectures 1-45

www.vuzs.net

<http://groups.google.com/group/vuzs>

Top of Form

Time Left 88
sec(s)

Quiz Start Time: 10:50 PM

Question # 1 of 8 (Start time: 10:50:41 PM)

Total Marks: 1

The degree of steepness of a straight line is called

Select correct option:

- Group
- orientation
 - intercept
 - slope
 - skewness

[Click here to Save Answer & Move to Next Question](#)

Top of Form

: Asif Iqbal

Time Left 88
sec(s)

Quiz Start Time: 10:50 PM

Question # 2 of 8 (Start time: 10:52:04 PM)

Total Marks: 1

The correlation used when there is a degree of association

Select correct option:

www.vuzs.net

<http://groups.google.com/group/vuzs>

Mostly mcqs are unsolved . if you find any answer then do share with us with reference.

- Between two variables
- Among three variables
- Among four variables
- None of these

Click here to Save Answer & Move to Next Question

Top of Form

: Asif Iqbal

Time Left 88
sec(s)

Quiz Start Time: 10:50 PM

Question # 3 of 8 (Start time: 10:52:52 PM)

Total Marks: 1

GM of 130, 140, 160 is -----

Select correct option:

- 130.5
- 135.5
- 142.8
- 145.7

Click here to Save Answer & Move to Next Question

Top of Form

: Asif Iqbal

Time Left 89
sec(s)

Quiz Start Time: 10:50 PM

Question # 4 of 8 (Start time: 10:53:43 PM)

Total Marks: 1

www.vuzs.net

<http://groups.google.com/group/vuzs>

Mostly mcqs are unsolved . if you find any answer then do share with us with reference.

When a coin is tossed, the events that it lands heads or tails are mutually exclusive.

Select correct option:

- True
- False

[Click here to Save Answer & Move to Next Question](#)

Top of Form

: Asif Iqbal

Time Left 88
sec(s)

Quiz Start Time: 10:50 PM

Question # 5 of 8 (Start time: 10:54:11 PM)

Total Marks: 1

In case of variance, for the sample, the sum of squares of the deviations is divided by

Select correct option:

- One less the number of values in the population i-e (N-1)
- Exactly the number of values in the population i-e N
- One more the number of values in the population i-e (N+1)
- Two more the number of values in the population i-e (N+2)

[Click here to Save Answer & Move to Next Question](#)

Top of Form

: Asif Iqbal

Time Left 89
sec(s)

Quiz Start Time: 10:50 PM

Question # 6 of 8 (Start time: 10:55:09 PM)

Total Marks: 1

www.vuzs.net

<http://groups.google.com/group/vuzs>

Mostly mcqs are unsolved . if you find any answer then do share with us with reference.

Mean deviation is always

Select correct option:

- less than S.D
- equal to S.D
- more than S.D
- negative

[Click here to Save Answer & Move to Next Question](#)

Top of Form

: Asif Iqbal

Online Study
Group

Time Left 89
sec(s)

Quiz Start Time: 10:50 PM

Question # 7 of 8 (Start time: 10:56:37 PM)

Total Marks: 1

What are the central tendencies?

Select correct option:

- Mean, median, mode and range
- Mean, median, mode and midrange
- Mean, median, mode and harmonic mean
- none of them

[Click here to Save Answer & Move to Next Question](#)

Top of Form

: Asif Iqbal

Time Left 88
sec(s)

www.vuzs.net

<http://groups.google.com/group/vuzs>

Mostly mcqs are unsolved . if you find any answer then do share with us with reference.

Quiz Start Time: 10:50 PM

Question # 8 of 8 (Start time: 10:57:59 PM)

Total Marks: 1

If $s_x=2$, $s_y = 4$ and $s_{xy} =10$ then correlation coefficient 'r 'is

Select correct option:

- 1.12
- 0.80
- 1.25
- 3.54

Online Study
Group

Click here to Save Answer & Move to Next Question

Top of Form

MC100202199 : Raza Tahir

Time Left 88
sec(s)

Quiz Start Time: 11:00 PM

Question # 1 of 8 (Start time: 11:00:25 PM)

Total Marks: 1

The equation of the least squares line is $-28.13 + 1.12x$ What is the predicted value of y when $x = 1,000$?

Select correct option:

- 28131.12
- 1091.87
- 1148.13
- 1091.87

Click here to Save Answer & Move to Next Question

www.vuzs.net

<http://groups.google.com/group/vuzs>

Mostly mcqs are unsolved . if you find any answer then do share with us with reference.

MC100202199 : Raza Tahir

Time Left 89
sec(s)

Quiz Start Time: 11:00 PM

Question # 2 of 8 (Start time: 11:01:34 PM)

Total Marks: 1

The mode of the data 2.7, 3.5, 4.9, 5.1, 8.3 is

Select correct option:

3.5

4.9

5.1

There is no mode for this data

[Click here to Save Answer & Move to Next Question](#)

MC100202199 : Raza Tahir

Time Left 89
sec(s)

Quiz Start Time: 11:00 PM

Question # 3 of 8 (Start time: 11:02:08 PM)

Total Marks: 1

The coefficient of correlation r has the same sign

Select correct option:

As the slope of the linear line

As the slope of the regression line

As the slope of the straight line

As the slope of a curve

www.vuzs.net

<http://groups.google.com/group/vuzs>

Mostly mcqs are unsolved . if you find any answer then do share with us with reference.

Click here to Save Answer & Move to Next Question

Top of Form

MC100202199 : Raza Tahir

Time Left 87
sec(s)

Quiz Start Time: 11:00 PM

Question # 4 of 8 (Start time: 11:03:37 PM)

Total Marks: 1

Which of the following is not based on squared deviations from the regression line?

Select correct option:

- The coefficient of correlation.
- The coefficient of determination.
- The standard deviation.
- The standard error of estimate.

Click here to Save Answer & Move to Next Question

Top of Form

MC100202199 : Raza Tahir

Time Left 89
sec(s)

Quiz Start Time: 11:00 PM

Question # 5 of 8 (Start time: 11:05:02 PM)

Total Marks: 1

For the regression line: $Y=a+bX$, 'b' is the

Select correct option:

- Slope of the regression line
- y-intercept

www.vuzs.net

<http://groups.google.com/group/vuzs>

Mostly mcqs are unsolved . if you find any answer then do share with us with reference.

- x-intercept
- none of these

Click here to Save Answer & Move to Next Question

Top of Form

MC100202199 : Raza Tahir

Time Left 82
sec(s)

Quiz Start Time: 11:00 PM

Question # 6 of 8 (Start time: 11:06:31 PM)

Total Marks: 1

If the coefficient b in the linear regression equation is zero then the correlation between the two variables must be

Select correct option:

- 1
- 1
- 0
- 0.5

VUZS.NET
OF STUDENTS FROM VIRTUAL UNIVERSITY OF PAKISTAN

Click here to Save Answer & Move to Next Question

Top of Form

MC100202199 : Raza Tahir

Time Left 87
sec(s)

Quiz Start Time: 11:00 PM

Question # 7 of 8 (Start time: 11:08:00 PM)

Total Marks: 1

The simple linear regression co-efficient is changed by

Select correct option:

www.vuzs.net

<http://groups.google.com/group/vuzs>

Mostly mcqs are unsolved . if you find any answer then do share with us with reference.

- Origin
- Scale
- Both origin and scale
- none of these

Click here to Save Answer & Move to Next Question

Top of Form

MC100202199 : Raza Tahir

Time Left 88
sec(s)

Quiz Start Time: 11:00 PM

Question # 8 of 8 (Start time: 11:09:29 PM)

Total Marks: 1

There are 5 white balls and 4 black balls. In how many ways can we select 3 white and 2 black balls?

Select correct option:

- 40
- 50
- 60
- 30

Click here to Save Answer & Move to Next Question

MTH302 Quizzes by Gulshan Ali

The value of dependant variable decreases with increase in the value the independent variable in

www.vuzs.net

<http://groups.google.com/group/vuzs>

Mostly mcqs are unsolved . if you find any answer then do share with us with reference.

Select correct option:

- Positive linear relationship
- Negative linear relationship
- Weak relationship
- Strong relationship

In EXCEL use thefunction to calculate correlation

Select correct option:

- COREL
- CORREL
- CORRELE
- CORRELATION

www.vuzs.net

A data in which we study about sex is called ...

Select correct option:

- Qualitative
- Quantitative
- Geographical
- Chronological

A data in which we study about sex is called ...

Select correct option:

- Qualitative

www.vuzs.net

<http://groups.google.com/group/vuzs>

Mostly mcqs are unsolved . if you find any answer then do share with us with reference.

- Quantitative
- Geographical
- Chronological

If the CORRELATION function returns the #DIV/0 ! error value, what is the possible reason of the error?

Select correct option:

- Array1 and Array2 have different number of data points.
- Either Array1 or array2 is empty.
- Array or reference argument contains text, logical values or empty cells.
- The arguments are names, arrays, or references that contain numbers.

There are two graphs G1 and G2. The graph G1 has $r = 0.9$ and the graph G2 has $r = 0.5$, then what result do you take out from it?

Select correct option:

- G1 is more scattered than G2.
- G1 is less scattered than G2.
- G1 and G2 are equally scattered.
- No result can be drawn from the given data.

There are two graphs G1 and G2. The graph G1 has $r = 0.9$ and the graph G2 has $r = 0.5$, then what result do you take out from it?

Select correct option:

www.vuzs.net

<http://groups.google.com/group/vuzs>

Mostly mcqs are unsolved . if you find any answer then do share with us with reference.

- G1 is more scattered than G2.
- G1 is less scattered than G2.
- G1 and G2 are equally scattered.
- No result can be drawn from the given data.

The sum of deviation of the observed values of Y_i from the regression line is always equal to

Select correct option:

- 1
- 0
- 1
- None

VUZS.NET

If the data collected from a factory in three shifts; morning, afternoon and evening for four days. Then average of one day is known as

Select correct option:

- Moving Average
- Weighted average
- both
- None

In statistics, the contingency tables are used to record and analyze the relationship between two or more variables, most usually categorical variables.

Select correct option:

www.vuzs.net

<http://groups.google.com/group/vuzs>

Mostly mcqs are unsolved . if you find any answer then do share with us with reference.

- True
- False

The ratio of the standard deviation of a distribution to the mean of that distribution is referred to as

Select correct option:

- a probability distribution
- the expected return
- variance
- coefficient of variation

The measure of central tendency which divides the data into two equal parts is called.....

Select correct option:

- Mode
- Median
- Mean
- Geometric mean

The correlation coefficient between x and y shows

Select correct option:

- Whether y depends on x

www.vuzs.net

<http://groups.google.com/group/vuzs>

Mostly mcqs are unsolved . if you find any answer then do share with us with reference.

- whether x causes y
- whether there is any relation between x and y
- whether there is a linear relation between x and y

The measure of the degree to which any two variables vary together is called

Select correct option:

- Variance
- Correlation
- Mean deviation
- Positive variance

If the standard deviation is small, then many data points will be -----.

Select correct option:

- On the mean point
- Far away from the mean
- Very close to the mean
- Vanished.

The equation of regression line is $y + 5x = 0$. What will be the intercept?

Select correct option:

www.vuzs.net

<http://groups.google.com/group/vuzs>

Mostly mcqs are unsolved . if you find any answer then do share with us with reference.

- 5
- 1
- 0
- 5

Variance or standard deviation can be zero only if

Select correct option:

- all the values in the data are unequal
- all the values in the data are in ascending order
- all the values in the data form in descending order
- all the values in the data are equal

In case of variance, for the population, the sum of squares of the deviations is divided by

Select correct option:

- One less the number of values in the population i-e (N-1)
- Exactly the number of values in the population i-e N
- One more the number of values in the population i-e (N+1)
- Two more the number of values in the population i-e (N+2)

Solved MCQS Shared by NAVEED

Question # 1 of 8 (**Start time: 02:24:24 AM**)

www.vuzs.net

<http://groups.google.com/group/vuzs>

Mostly mcqs are unsolved . if you find any answer then do share with us with reference.

The moving average CANNOT be used for one of the followings.

▶ Select correct option:

- Time Series Variation
- Smoothing Operation
- Short-term fluctuations
- Standard Deviations

Question # 2 of 8 (Start time: 02:25:50 AM)

A scatter diagram:

▶ Select correct option:

- a) Is a graphic tool designed to portray the relationship between variable.
- b) Uses interval or ratio scale data.
- c) Does not allow negative values.
- d) Both a and b are correct

Question # 3 of 8 (Start time: 02:26:54 AM)

Which of the following is a measure of central tendency?

▶ Select correct option:

- Percentile
- Quartile
- Standard deviation
- Mode

Which one of the following statements is not true?

▶ Select correct option:

- Correlation shows a degree of association between two variables.
- You can make any predictions with results of correlation.
- Correlation helps proceed further with regression analysis.

www.vuzs.net

<http://groups.google.com/group/vuzs>

Mostly mcqs are unsolved . if you find any answer then do share with us with reference.

- You can make Predictions on the base of regression equations.

Question # 5 of 8 (Start time: 02:29:16 AM)

Under what conditions the Winsorized Mean is less than the Arithmetic Mean.

▶ Select correct option:

- If values below Q1 are less than Q1 and values above Q3 are less than Q3.
- If values below Q1 are greater than Q1 and values above Q3 are greater than Q3.
- If values below Q1 are less than Q1 and values above Q3 are greater than Q3.
- If values below Q1 are greater than Q1 and values above Q3 are less than Q3.

Another name of mean in statistics is

▶ Select correct option:

- Mode
- Expected value
- Median
- None of these

Mean of X = 20.143 , Mean of Y = 6 , and Slope = 0.181176 Then intercept of the data is

▶ Select correct option:

- 4.51
- 3.45
- 2.35 $a = Y - \text{SLOPE} * X$
- 3.58

The standard deviation of the numbers 3,4,5 is

▶ Select correct option:

- 1.3333 $=\text{STDEV}(\text{NUM1},\text{NUM2})$
- 0.5773
- 4

www.vuzs.net

<http://groups.google.com/group/vuzs>

Mostly mcqs are unsolved . if you find any answer then do share with us with reference.



www.vuzs.net

<http://groups.google.com/group/vuzs>

Mostly mcqs are unsolved . if you find any answer then do share with us with reference.