A(n) is a graph of the ordered pairs (x, y) of numbers consisting of the independent variable x and the dependent variable y.

CARLES TO TENDERSON CANDI

- scatter plot
- frequency polygon
- o ogive
- time series graph





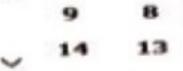




5 of 32 "Having a large shoe size and having a high score." These events are said to be even

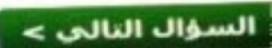
- mutually exclusive
- certain
- dependent
- independent





19



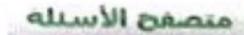


If the regression line equation is y' = 3 - 0.27 x, then the correlation coefficient is.......

- positive
- O 0.27
- negative
- 03









Box 1 contains 2 red balls and 2 blue balls. Box 2 contains 3 red balls and 2 blue balls. A die is rolled. If the number is greater than 4, box 1 is selected and a ball is drawn. If the number is less than or equal 4, box 2 is selected and a ball is drawn. Find the probability of selecting a red ball.

- 01.1
- 0.833
- 0.389
- 0.567





متصفح الأسنله

السؤال النالي >

ؤال السابق

- 11 of 32 The chance of an event occurring is called.......
 - probability
 - probability experiment
 - o probability distribution
 - outcome



- 9 8 14 13
- 19 18
 - 24 22



منصفح الأسنلة



An urn contains brown balls and white balls. A person selects two balls without replacement. If the probability of selecting a brown ball and a white ball is 0.20, and the probability of selecting a brown ball on the first draw is 0.42, find the probability of selecting a white ball on the second draw, given that the first selected ball was a brown ball.

- 0.220
- $\bigcirc 0.084$
- O 2.100
- 0.476



If (x) is the number of exercising hours and (y) is the weight, choose the regression line equation that represents the following statement: When the exercising hours increase 1 unit, the weight decreases (1.32) kg on average.

$$0 y' = 4 - 1.32 x$$

$$0y' = -1.32 + 4x$$

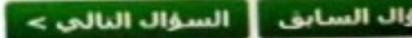
$$O y' = 1.32 - 4 x$$

$$O y' = -4 + 1.32 x$$









The grades obtained by five students in both STAT and MATH exams are shown in the following table:

STAT	A	C	F	В	D	
MATH	A	В	F	C	D	l

Compute Spearman rank correlation coefficient.

- 0 0.9
- 0.0.9
- 0-0.1
- 0.0.1









12 of 32

How many different ways can 5 basketball players and 4 football players be selected from 7 basketball players and 6 football players?

- 036
- O 907,200
- 0.441
- O 315





منصفح الأسيله

ال السابق السؤال التالي >

The table below represents a selection of snacks purchased at a cinema according to gender: 13 of 32

	Hot dog	Peanuts	Popcorn	Total
Men	5	7	6	18
Women	4	3	5	12
Total	9	10	11	30

If a customer is selected, find the probability that the customer is a woman or purchased peanuts

- 0.73
- 0.0.1
- 0.3
- 0.63











14 of 32

A committee contains 8 members, 3 of which are men. If 3 members are selected at random, find the probability that one of them is a man.

- 0.179
- 0.375
- 0.536
- 0.232





منصفح الأسيله

ال السابق السؤال النالي >

The table below represents the college degrees awarded in a recent academic year according to gender:

	Bachelor	Master	Doctorate	Total
Men	4	8	4	16
Women	3	4	2	9
Total	7	12	6	25

If a person is selected, find the probability that the person is a woman given that she has a master degree.

- 0.160
- 0.360
- 0.333
- 0.444







17 of 32 Which of these cannot be considered a correlation coefficient?

- 0-1.89
- O-0.89
- 00
- 0.89



01:52:27 [cnassall cate]

Second Exam STAT 110 Second Semester 1437-1438H

A recent study found that 40% of Americans suffer from great stress. If 3 people are selected at 16 of 32 random, find the probability that all of them suffer from great stress.

- 0.216
- 0.784
- 0.936
- 0.064











0

Second Exam STAT 110 Second Semester 1437-1438H

18 of 32

In a club there are 5 women and 4 men. If a committee of 3 people is selected, find the probability that at least one of them is a man.

- 0.048
- 0.881
- 0.952
- 0.119





منصفح الأستله



سؤال السابق

20 of 32 How many ways can 6 employees be seated on a stage?

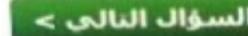
- 01
- 0720
- 06
- 046,656



- A 19 18
 - 24 23
- 29 28



متصعح الأسنله



If A and B are mutually exclusive events with P(A)=0.25 and P(A or B)=0.4, then find P(B). 21 of 32

- 0.15
- 0.6
- 00.1
- 0.65

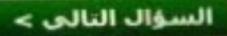


A school district contains 4 elementary schools, 5 middle schools, and 6 high schools. If two schools are 22 of 32 selected at random without replacement, find the probability that both of them are elementary schools.

- O.250
- 0.057
- 0.167
- 0.071







23 of 32

When we study the relationship between the age of a house and its price, the correlation coefficient could be:

- 0-0.8
- 00.9
- 00
- 0.05

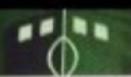




منصفح الأسنله

السؤال النالي >

: السؤال السابق



The following data are recorded:

$$n = 10$$
, $\sum x = 116$, $\sum y = 70$, $\sum xy = 50$, and $\sum x^2 = 120$

The equation of the regression line is:

$$\bigcirc y' = -0.212 + 0.622 \times$$

$$y' = 0.622 - 0.212 x$$

$$y' = -7.056 + 2.407 x$$

$$0 \text{ y'} = 2.407 - 7.056 \text{ x}$$





Answer the attached question:

The following data are recorded:

$$H = 10$$
, $\sum x = 116$, $\sum y = 70$, $\sum xy = 50$, and $\sum x^2 = 120$

The equation of the regression line is:





منصفح الأسنلة

السؤال النالي >

ل السابق

25 of 32 Find the sample space for tossing three coins.

- OS = {H, T}
- 03
- OS = {HHH, HHT, HTH, THH, TTH, THT, HTT, TTT}
- 08





منصفح الأسنلة

السابق السؤال التالي >

24 of 32 If an event E cannot occur, then its probability equals:

- $\bigcirc 0 \le P(E) \le 1$
- 00
- 00.5
- 01





منصعح الأسنله





Cards are numbered from 1 to 10. If a card is selected randomly and the number of it is noted, then it is replaced and a second card is selected, find the probability of getting an even number and an odd number.

- 0.278
- 01
- 00
- 0 0.25





متصغح الأسنلة

السؤال التالي >

مؤال السابق

29 of 32

If the correlation coefficient between two variables equals (- 0.12), this means that the relationship between the two variables is:

- o strong negative
- weak positive
- weak negative
- o strong positive





منصفح الأسنله

مؤال السابق السؤال التالي >

90% of electronic games players play online. If 3 players are selected at random, find the probability that at least one does not play online.

- 0.271
- 0.999
- 0.729
- 0.001





لسؤال السابق السؤال التالي > متصفح الأسئله

31 of 32 The value of the correlation coefficient must be:

- 005151
- O-1 5 r 5 0
- O-00 ≤ r ≤ 00
- 0-15151





منصعح الأسنله

السؤال السابق السؤال التالي >

ditto

32 of 32 If a die is rolled one time, find the probability of getting a number greater than 2 or an odd number.

- 0.833
- 0.333
- 01
- 01.167





منصفح الأسنله ٢

لسؤال السايق السؤال النالي >