

A new phenomenon for the explosion of \_\_\_\_\_ data

Select one:

a. communication

b. transient

c. transaction

**d. interaction**

How many bytes of data are generated every two days in today's world?

Select one:

a. 5 megabytes

**b. 5 exabytes**

c. 5 gigabytes

5 gigabytes

d. 5 terabytes

PAW means\_\_\_\_\_.

Select one:

a. Predictive Analytics web

b. Preliminary Assumption Web

c. Predicting Analytics Web

**d. Predictive Analytics World**

The following are the 3V's of big data EXCEPT

Select one:

a. velocity

b. volume

**c. veracity**

d. variety

It refers to well based theories and sound business judgement.

Select one:

- a. Data visualization
- b. Data Mining
- c. Data Science**
- d. Data Analytics

He pointed out that until 2003 ,all of mankind had generated just 5 exabytes of data

Select one:

- a. Eric Smidth
- b. Eric Schmidt**
- c. Eric Smith
- d. Eric Smicht

These are the data skills that a good data scientist need to cultivate EXCEPT

Select one:

- a. coding
- b. Communication
- c. speaking**
- d. Math and Stats

The person who said that “ The future is not google-able”.

Select one:

- a. D J Patil
- b. Georg cantor
- c. Eric Schmith
- d. William Gibson**

IOT means

Select one:

- a. Interaction of time
- b. Internet of time
- c. Interconnction of things
- d. Internet of things**

Which is Not an interaction data?

Select one:

- a. browser action
- b. data base**
- c. geo-location
- d. RFID data

“ All models are wrong but some are useful “

Select one:

- a. DJ Patil
- b. Georg cantor
- c. George E. P. Box**
- d. William Gibson

It expands available data enormously since there is so much more text being generated than numbers.

Select one:

- a. text analysis
- b. data mining
- c. data ranking
- d. Text mining**

It shows a high correlation between the incidence of flu and searches about flu on google.

Select one:

- a. Google Flu Viral
- b. Google Flu Searches
- c. Google Flu trends**
- d. Google Flu Reactions

What is a great example of data product?

Select one:

- a. google navigation
- b. google navigation
- c. google maps**
- d. google drive

He said that “ In mathematics the art of proposing a question must be held of higher value than solving it”.

Select one:

- a. Georg Cantor**
- b. Francis Galton
- c. William Gibson
- d. Eric Schmidt

The developer of farmville, a famous game in the internet.

Select one:

- a. Supercell
- b. Moontoon
- c. Electronic Arts
- d. Zynga Incorporated**

The explosion of \_\_\_\_\_ data is the main reason why every 2 days 5 exabytes of data are generated.

Select one:

- a. reaction
- b. transaction
- c. interaction**
- d. gargantuan

The creation of data from varied sources and its qualification into information.

Select one:

- a. datafication**
- b. datafition
- c. datafitration
- d. datacation

Exabyte means \_\_\_\_\_ bytes

Select one:

- a. thousand thousand
- b. trillion trillion
- c. million million
- d. billion billion**

The creation of data from varied sources and its quantification into information.

Select one:

- a. datology
- b. Datafication**
- c. dataology
- d. datalization

If the standard deviation of a distribution is 3, the variance is

Select one:

- a. 9**
- b. 1.41
- c. 1.5
- d. 6

Another term for variability.

Select one:

- a. frequent
- b. dispersion**
- c. mean
- d. center

On an examination given to 1000 students, Jef's score of 80 was higher than the score of 480 students who took the exam. What is the percentile for Jef's score?

Select one:

- a. 48th**
- b. 65th
- c. 60th
- d. 50th

In 2,4,4,4,5,5,6,8,9 the range is

Select one:

- a. 5
- b. 3
- c. 7**
- d. 6

Which is NOT a measure of central tendency?

Select one:

**a. quartile**

b. median

c. mean

d. mode

The most frequent score.

Select one:

a. standard deviation

b. median

**c. mode**

d. mean

A positive z-score means that the score is

Select one:

**a. Higher than the mean**

b. Equal to the mean

c. Lower than the mean

d. One standard deviation higher than the mean

What is value of quartile 3 in 2,4,4,4,5,5,6,8,9 ?

Select one:

a. 8

b. 5

**c. 7**

d. 6

If there are 101 scores the median is equal to the \_\_\_\_\_ ranked score.

Select one:

**a. 51st**

b. 54th

c. 52nd

d. 55th

The number that occurs most frequently is called \_\_\_\_\_.

Select one:

a. mean

b. range

**c. Mode**

d. median

Which is NOT a measure of variability?

Select one:

**a. quartile**

b. standard deviation

c. range

d. variance

The standard deviation for the data in 2,4,4,4,5,5,6,8,9

Select one:

a. 2.18

**b. 2.17**

c. 2.16

d. 2.15

Which of the following statements is TRUE?

Select one:

- a. Q2=Range
- b. Q2=Mode
- c. Q2=median**
- d. Q2=Mean

A score of 3 in 2,4,4,4,5,5,6,8,9 is

Select one:

- a. 1.18 below the mean
- b. 1.02 below the mean**
- c. 1.92 above the mean
- d. 1.2 above the mean

A score of 3 in 2,4,4,4,5,5,6,8,9 is

Select one:

- a. 1.18 below the mean
- b. 1.02 below the mean**
- c. 1.92 above the mean
- d. 1.2 above the mean

If in a distribution all scores are distinct then\_\_\_\_\_.

Select one:

- a. it is skewed.
- b. it is normal
- c. there is no mode.**
- d. the mean is higher than the mode

Which is not a measure of central tendency?

Select one:

- a. mode
- b. median

**c. standard deviation**

d. mean

The score easily affected by extreme values is the \_\_\_\_\_.

Select one:

a. range

b. mode

c. median

**d. Mean**

The distribution 2,4,4,4,5,5,6,8,9 is said to be

Select one:

**a. unimodal**

b. multimodal

c. bimodal

d. trimodal

The score NOT easily affected by extreme values.

Select one:

**a. Median**

b. mode

c. mean

d. range

The area of the standard normal curve to the right of  $z=0.82$  is \_\_\_\_\_.

Select one:

a. 0.295

b. 0.294

c. 209

**d. 0.206**

A score of 50 lies 2 standard deviations above a mean of 30. What is the value of the standard deviation?

Select one:

a. 20

**b. 10**

c. 15

d. 25

Lists the percent of data in each distribution.

Select one:

a. histogram

b. ogive

**c. relative frequency distribution**

d. grouped frequency distribution

What is the value of the standard deviation in a standard normal distribution?

Select one:

**a. 1**

b. 5

c. 0

d. 2

Which of the following is TRUE when a distribution is normal?

Select one:

a. Mean < Median < Mode

b. Mean > Median > Mode

**c. Mean=Median=Mode**

d. Mean > Mode > Median

Empirical rule for a normal distribution lie \_\_\_\_\_% of data with 1 standard deviation below and above the mean.

Select one:

- a. 79
- b. 68**
- c. 64
- d. 75

Empirical rule for a normal distribution that is 2 standard deviations above and below the mean is \_\_\_\_\_% of data.

Select one:

- a. 85
- b. 95**
- c. 80
- d. 90

The normal distribution with a mean of 0 and standard deviation of 1.

Select one:

- a. Skewed
- b. Standard**
- c. kurtic
- d. skewed to the right

Empirical rule for a normal distribution that is 3 standard deviations above and below the mean covers \_\_\_\_\_% of the data.

Select one:

- a. 92
- b. 98
- c. 95
- d. 99.7**

What percent of data will lie within 2 standard deviation of the mean?

Select one:

- a. 99
- b. 95**
- c. 90
- d. 68

What range of values 3 SD below and above the mean in a normal distribution if the mean is 10 and standard deviation is 2?

Select one:

- a. 8-14
- b. 4-16**
- c. 10-14
- d. 5-15

A bell shaped curve that is symmetric about a vertical line.

Select one:

- a. kurtic
- b. skewed
- c. standard distribution
- d. normal distribution**

What range of values lie between 3 standard deviations above and below the mean if the mean is 80 and the standard deviation is 3?

Select one:

- a. 72-89
- b. 71-88
- c. 71-89**
- d. 70-89

A survey of 100 consumers said that the price charged for a kilo of rice could be approximated by a normal distribution with a mean of 35 and a standard deviation of 4. How many of them lie between 27 and 43?

Select one:

- a. 90
- b. 95**
- c. 88
- d. 92

A bell-shaped distribution that is symmetric about a vertical line?

Select one:

- a. normal**
- b. standard
- c. symmetric
- d. skewed

What is the value of the mean if a score of 110 is 3 standard deviation above the mean?

Select one:

- a. 90
- b. 95**
- c. 85
- d. 91

What is the mean for a standard normal distribution?

Select one:

- a. 2
- b. 1
- c. 0**
- d. 5

A distribution where large distribution are displayed.

Select one:

- a. Relative frequency distribution
- b. histogram
- c. ogive

**d. Grouped frequency distribution**

A survey of 100 consumers said that the price charged for a kilo of rice could be approximated by a normal distribution with a mean of 35 and a standard deviation of 4. How many are less than 39?

Select one:

- a. 82
- b. 84**
- c. 78
- d. 80

A graph used to indicate intervals in a frequency distribution is referred to as a\_\_\_\_\_.

Select one:

- a. ogive
- b. histogram**
- c. pie graph
- d. bar graph

AUC means\_\_\_\_\_.

Select one:

- a. Artificial Unit Curve
- b. Artificial Under Cover
- c. Area Under the Curve**
- d. Area Under Coverage

It allows you to see which value of the explanatory variable corresponds a given probability success.

Select one:

a. histogram

**b. probability analysis table**

c. ogive

d. probability table

The proportion of well defined negative events is called \_\_\_\_\_.

Select one:

a. probability

b. sensitivity

c. regression

**d. specificity**

The proportion of a well defined positive event is called \_\_\_\_\_.

Select one:

**a. sensitivity**

b. specificity

c. probability

d. anonymity

Data involving two variables are called \_\_\_\_\_ data.

Select one:

a. dichotomy

**b. bivariate**

c. multivariate

d. dichotomal

LR means \_\_\_\_\_.

Select one:

a. Linear Relativity

**b. Linear Regression**

- c. Logistic Regression
- d. Logistic Reinforcement

Positive correlation means that\_\_\_\_\_.

Select one:

- a. as x decreases y increases
- b. as x increases y also increases and vice versa**

- c. as x increases y decreases
- d. as x increases y remains constant

The method that does not require the assumption that parameters are normally distributed.

Select one:

- a. profile likeness
- b. parameter range
- c. profile likelihood**

- d. feedback

Which of the following belong to the GLM?

Select one:

- a. quadratic
- b. logistic**
- c. exponential
- d. multivariate

GLM means\_\_\_\_\_.

Select one:

- a. General Line Model
- b. Generalized Linear Mode
- c. Generalized Linear Model**

#### d. Generalized Line Mode





