1. Logistic regression is used when you want to

Predict a dichotomous variable from continuous or dichotomous variables.

Predict a continuous variable from dichotomous variables.

Predict any categorical variable from several other categorical variables.

Predict a continuous variable from dichotomous or continuous variables.

Answer :Predict a dichotomous variable from continuous or dichotomous variables

1. The odds ratio is:

The ratio of the probability of an event not happening to the probability of the event happening.

The probability of an event occurring.

The ratio of the odds after a unit change in the predictor to the original odds.

The ratio of the probability of an event happening to the probability of the event not happening.

Answer : The ratio of the odds after a unit change in the predictor to the original odds.

1. In binary logistic regression:

The dependent variable is continuous.

The dependent variable is divided into two equal subcategories.

The dependent variable consists of two categories.

There is no dependent variable.

Answer : The dependent variable consists of two categories

1. How many different types of Logistic Regression?

A. 2

B. 3

C. 4

D. 5

Ans : B

Explanation: Three different types of Logistic Regression are as follows: Binary Logistic Regression, Multinomial Logistic Regression and Ordinal Logistic Regression

1. \_\_\_\_\_\_\_\_ the target variable can have three or more possible values without any order.

A. Multinomial Logistic Regression

B. Binary Logistic Regression

C. Ordinal Logistic Regression

D. All of the above

Ans : A

Explanation: Multinomial Logistic Regression: In this, the target variable can have three or more possible values without any order.

1. Which of the following are advantages of the logistic regression?

A. Logistic Regression is very easy to understand

B. It requires less training

C. It performs well for simple datasets as well as when the data set is linearly separable

D. All of the above

Explanation: All of the above are are the advantages of Logistic Regression

1. 0 and 1, or pass and fail or true and false is an example of?

A. Multinomial Logistic Regression

B. Binary Logistic Regression

C. Ordinal Logistic Regression

D. None of the above

Ans : B

Explanation: Binary Logistic Regression: In this, the target variable has only two 2 possible outcomes. For Example, 0 and 1, or pass and fail or true and false.

1. Mean Square Error (MSE) is Not suitable for Logistic Regression.

A. TRUE

B. FALSE

C. Can be true or false

D. Can not say

Ans : A









