

Congratulations! You passed!  
Grade received 100%  
To pass 80% or higher  
Go to next item

1. No extreme outliers is one of the four main binomial logistic regression assumptions. What are the other three? Select all that apply. 1 / 1 point

☒ No multicollinearity

☒ Correct  
The four main binomial logistic regression assumptions are: linearity, independent observations, no multicollinearity, and no extreme outliers.

☐ Homoscedasticity

☒ Linearity

☒ Correct  
The four main binomial logistic regression assumptions are: linearity, independent observations, no multicollinearity, and no extreme outliers.

☒ Independent observations

☒ Correct  
The four main binomial logistic regression assumptions are: linearity, independent observations, no multicollinearity, and no extreme outliers.

2. Logit is the logarithm of the odds of a given probability. 1 / 1 point

☒ True

☐ False

☒ Correct  
Logit is the logarithm of the odds of a given probability. It is the most common link function used to linearly relate the X variables to the probability of Y.

3. Fill in the blank: The maximum likelihood estimation is a technique used for estimating the beta parameters that \_\_\_\_\_ the likelihood of a model producing the observed data. 1 / 1 point

☐ balance

☐ reduce

☐ control

☒ maximize

☒ Correct

The maximum likelihood estimation is a technique used for estimating the beta parameters that maximize the likelihood of a model producing the observed data.