Question 1 Not yet answered
Marked out of 1.00
Diagnostic plots are plots used to check if the residuals have non-linear patterns, if they are normally distributed, if there is equal
variance among residuals, and if there are any influential observations.
Select one:
○ True
○ False
Question 2
Not yet answered
Marked out of 1.00
Which diagnostic plot is used to assess the assumption of linearity between the dependent variable and the independent variables in
linear regression?
○ a. Histogram
○ b. Scatterplot
○ c. QQ Plot
O d. Residual Plot
Question 3
Not yet answered
Marked out of 1.00
We check nearly normal residuals with mean 0 using a normal probability plot.
we check hearly normal residuals with mean o using a normal probability plot.
Select one:
○ True
○ False

Question 4 Not yet answered Marked out of 1.00
When using a logistic regression model, it is impossible for the model to predict a probability that is negative or a probability that is greater than 1.
○ True○ False
Question 5 Not yet answered Marked out of 1.00
We check for constant variability of residuals using plot of residuals vs. ŷ using plot of residuals vs. each x
Select one: O True O False
Question 6 Not yet answered Marked out of 1.00
When fitting logistic regression, we typically complete model selection using adjusted R2.
Question 7 Not yet answered Marked out of 1.00
How do we check the independence of residuals (and hence observations)? O a. using scatterplots of residuals vs. order of data collection. D b. if the dataset is a time series structure, this will reveal non-independence. C c. all the above

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Question 8
Not yet answered
Marked out of 1.00
What is the primary assumption of linear regression regarding the relationship between the independent variables and the dependent variable?
○ a. Linearity
○ b. Normality
○ c. Homoscedasticity
O d. Independence
○ d. Independence
Question 9
Not yet answered
Marked out of 1.00
The downside of using transformations is that it does not reduce the ease of interpreting the results.
Question 10
Not yet answered
Marked out of 1.00
Logit transformation is required because it is a transformation that makes the range of possibilities on the left-hand side of the equation equal to the range of possibilities for the right-hand side.
Select one:
○ True
○ False