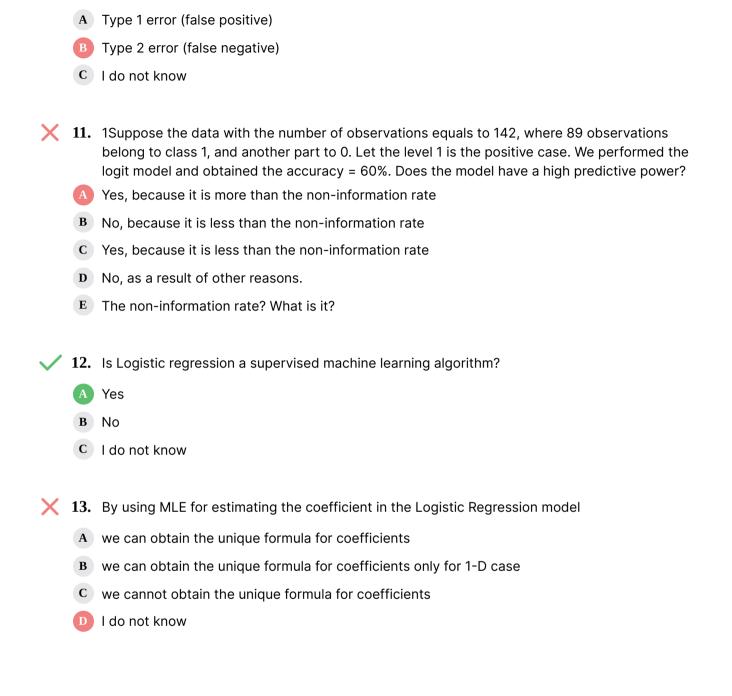


DM-Quiz-2020-Q3

30.77% (4/13)

- X 1. Logistic Regression Model is used to describe
 - A Relationship between one categorical dependent variable and one or more (any) explanatory variables
 - B Relationship between one numeric dependent variable and one or more (any) explanatory variables
 - Relationship between one categorical dependent variable and one explanatory variable
 - **D** Relationship between one categorical dependent variable and one or more numeric explanatory variables
 - E I do not know
- 2. Why Linear Regression cannot be used to predict the binary response variable?
 - A Some of the estimates might be outside the [0,1] interval
 - B Coefficients of linear regression models do not exist
 - C There will be the multicollinearity
 - All of the variants
 - E I do not know
- **3.** The most common approach to estimate coefficients of logistic regression is
 - The Maximum Likelihood
 - **B** Ordinary Least Squares
 - C Generalized Method of Moments
 - **D** I do not know
- ✓ 4. The model of Logistic Regression is
 - A $\ln(\lambda) = e^{(xb)}/(1+e^{(xb)})$
 - **B** $\ln(y)=e^{(xb)}/(1+e^{(xb)})$
 - Pr(y=1)=e^(xb)/(1+e^(xb))
 - D I do not know

/	5.	We can estimate Logistic Regression in R using the function
	A	lm()
	В	glm()
	C	flm()
	D	logit()
	E	I do not know
X	6.	Which one of these is the correct interpretation of the coefficient of Logistic Regression?
	A	For a 1-unit increase in X, we expect a b1 unit increase in Y.
	В	For a 1-unit increase in X, we expect b1 percentage increase in Y.
	C	For a 1-percentage increase in X, we expect b1 percentage increase in Y.
	D	Increasing X by one unit changes the log odds by b1
	E	I do not know
X	7.	Logistic Regression cannot be used to model the response variable which
	A	has two categories
	В	has more than two categories
	C	is ordinal
	D	is numeric
	E	I do not know
X	8.	Accuracy =
	A	(TP+TN)/Total
	В	TP/(TP+FN)
	C	TN/(TN+FP)
	D	I do not know
X	9.	Sensitivity =
	A	(TP+TN)/Total
	B	TP/(TP+FN)
	C	TN/(TN+FP)
	D	I do not know



10. Your lecturer decided that you are cheating while you are not. It is