

The best fit linear regression model ______.

- minimizes the intercept
- minimizes the regression coefficients
- minimizes the error
- minimizes the number of predictors

Assume that 2 regression models M1 and M2, are bu 0.4 and 0.7 respectively. Based on the above values,	3)	various products. The coeffic	cient of determination	(R ²) of both the models are found to be
 M1 is better model than M2 M2 is better model than M1 Coefficient of determination cannot be used Both M1 and M2 cannot be used, as R2 value 	Warning This operation is disabled.			

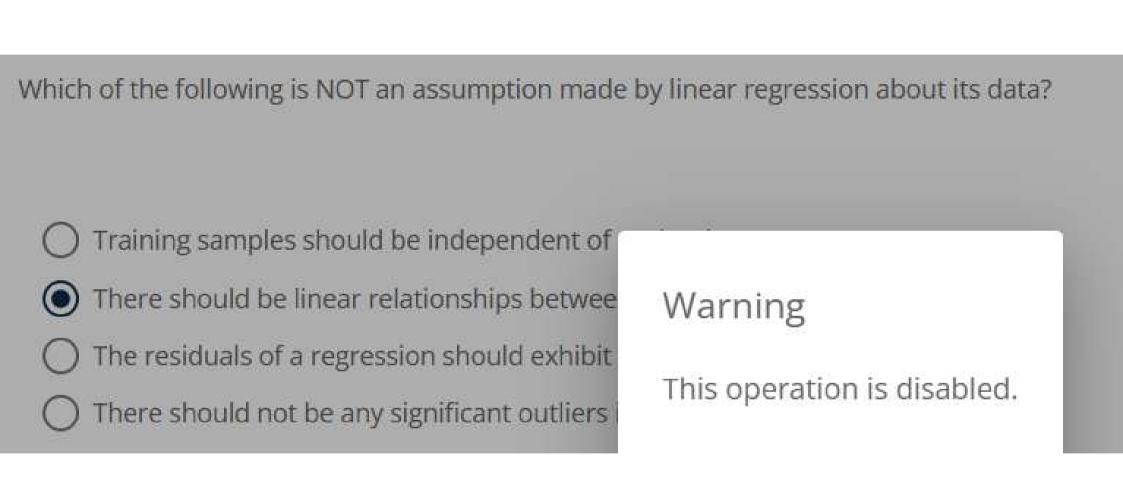
Linear regression model has a prediction range of _____.

- O [-1,1]
- $\bigcirc [0,1]$
- [-infinity, +infinity]
- O [0, +infinity]

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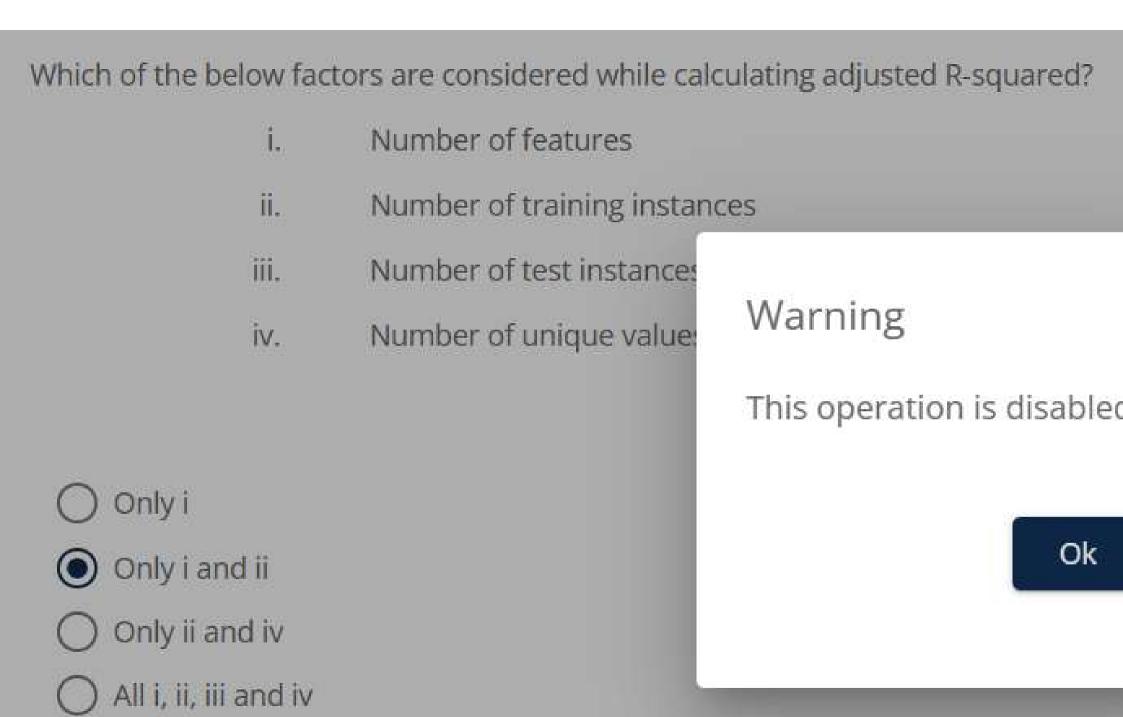
When analyzing features for building a machine learning model, the below values for Variance Inflation Factor (VIF) are observed for each of the features. Feature Name VIF Location 2 1.5 Area Water level 4 Warning Infinity Air grade This operation is disabled. Population Infinity Ok Based on the above values, select the most correct nd Population are highly correlated. Air grade and Population are the best predictors. Air grade and Population should not be selected as the predictors Only one of Air_grade and Population should be selected as the predictor. Feature selection cannot be done using VIF.

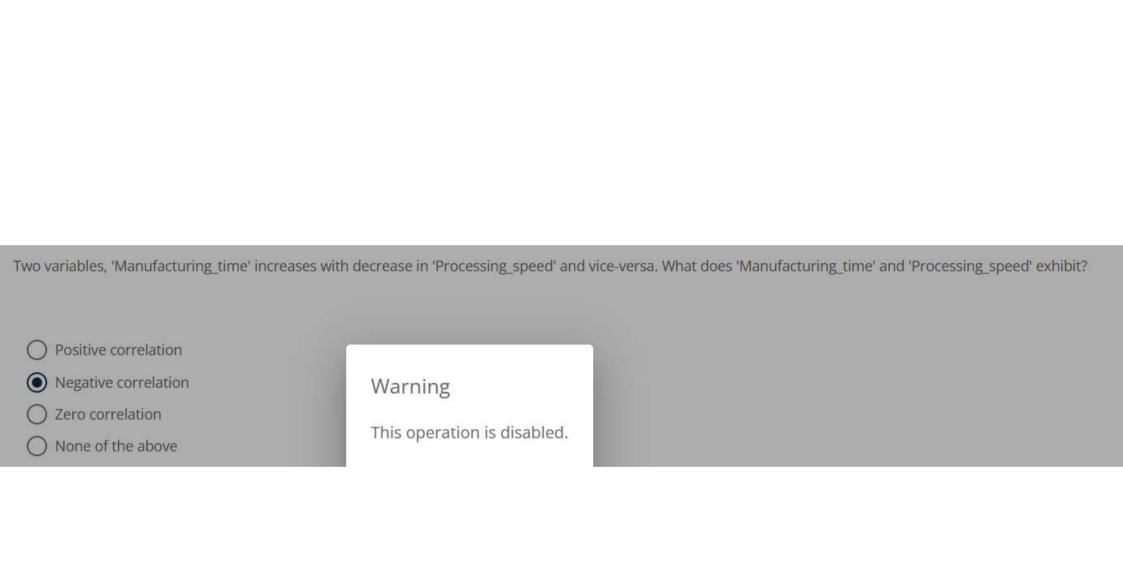
Select the factors that best describe a good regression model.

- O High RMSE, high R2
- High RMSE, low R2
- Low RMSE, high R2
- O Low RMSE, low R2

Warning

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Thank you. Your test submitted.

You have cleared this assessment.

Obtained Percentage Obtained Marks

90.91 %

10/11

Best Attempt Score:90.91 % on 22-03-2025