

## Quiz

1  Why is regularization important in regression modeling?


☐ A) It helps the model take into account each of the outlier points in the dataset

☐ B) It lets the model use larger weight values, which improves the model's performance

Your Answer

☒ C) It prevents the model from being too sensitive to random errors or outliers in the dataset

☐ D) None of the above

2  What is the purpose of cross-validation?

☒ A) It provides an additional evaluation metric on the test set

Your Answer

☒ B) It gives us a better evaluation of the model without needing a third dataset split

☐ C) It gives us the best possible split for the training and testing sets



☐ D) It automatically chooses the best hyperparameters for our model

3 ☒ What is logistic regression used for?

Your Answer

☒ A) Classification

☐ B) Regression

☐ C) Cross-validation

☐ D) None of the above

4 ☒ What do the number of folds in a K-fold cross-validation represent?

☐ A) The number of subsets of the training set used to train the model each iteration

Your Answer

☒ B) The number of total subsets that the training set is split into



☐ C) The number of subsets of the training set used to validate the model each iteration

☐ D) The number of total subsets that the test set is split into

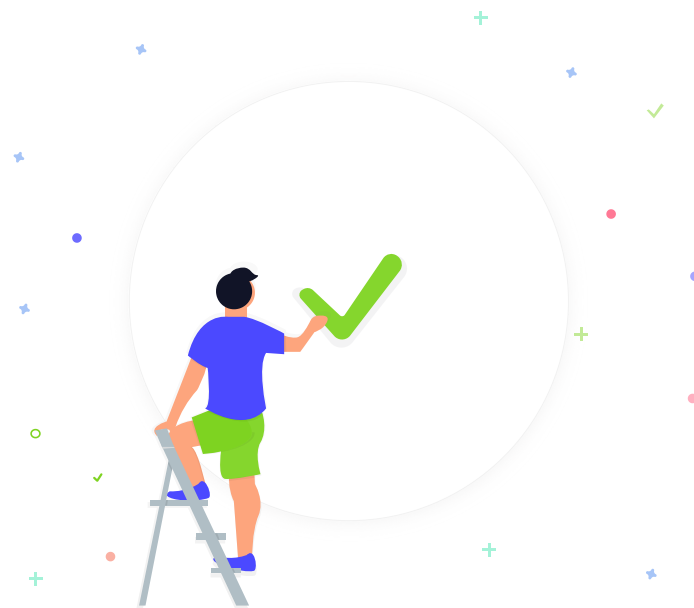
#### SUMMARY

Correct

4

Incorrect

0



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