

Quiz 3 - Diamond Price Prediction Quiz

Total points 7/8 ?

Kindly read these instructions carefully.

- > 1. This quiz consists of 8 question.
- > 2. All the questions are mandatory to attempt.
- > 3. There is no negative marking.
- > 4. Some questions consists of more than one correct answers. Mark appropriately.
- > 5. No one will judge you based on your marks.
- > 6. Attempt the quiz with a calm mind.

Email *

Mohamadhifan1@gmail.com

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Full Name *

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Quiz - Diamond Price Dataset

7 of 8 points

Download the dataset from here: [CLICK HERE TO DOWNLOAD](#)

✓ What is the dimensionality of the given dataset? *

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- ☐ 8 Dimensional
- ☐ 9 Dimensional
- ☒ 10 Dimensional
- ☐ 11 Dimensional



✗ Select all the correct answers mentioned below: *

- ☒ Standardisation transforms numerical features to have a mean of 0 and standard deviation of 1
- ☐ Normalisation is a technique that is applied on the categorical columns
- ☐ If the categorical column is ordinal, it is recommended to use LabelEncoding
- ☒ OneHotEncoding is also known as DummyEncoding

Correct answer

- ☒ Standardisation transforms numerical features to have a mean of 0 and standard deviation of 1
- ☒ If the categorical column is ordinal, it is recommended to use LabelEncoding
- ☒ OneHotEncoding is also known as DummyEncoding

✓ Which of the following are correct? *

- ☒ For price column - Mean is 3932.799722 and Median is 2401.000000
- ☒ For depth column - Minimum is 43.000000
- ☐ For carat column - Standard Deviation is 1.474011
- ☒ There are total 53940 data points in the given dataset

✓ Select all the correct options: *

- ☒ For cut column - Cardinality is 5
- ☐ For color column - Cardinality is 8
- ☒ For clarity column - Cardinality is 8
- ☐ None of the above

✓ Which of the following is correct? *

- ☒ For a 70-30 train test split - Number of training datapoints are 37758
- ☒ For a 75-25 train test split - Number of test datapoints are 13485
- ☐ For a 80-20 train test split - Number of train datapoints are 45152
- ☐ None of above

✓ After rescaling of X_train_num using Standard Scaler, which of the following is correct?

- ☒ Mean of carat column is very very close to zero
- ☒ Standard Deviation of depth column is very very close to one
- ☐ Median of table column is 100.092
- ☒ The relationships among all the input features before and after rescaling approach is same

✓ Which algorithm generates the best model? *

- ☐ Linear Regression
- ☐ KNN Regression
- ☐ Decision Tree Regression
- ☒ Random Forest Regression



✓ Which algorithm took maximum time for training? *

- ☐ Linear Regression
- ☐ KNN Regression
- ☐ Decision Tree Regression
- ☒ Random Forest Regression



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