Quiz 2 - Iris Species Prediction

Total points 5/8

This quiz consists of 6 questions(1 marks each) and 1 bonus question(2 marks).
All the questions are mandatory to attempt.
There is no negative marking.
Some questions consists of more than one correct answers. Mark appropriately.
No one will judge you based on your marks.
Attempt the quiz with a calm mind.
You have 15 minutes to solve and submit the quiz.

Email *

Mohamadhirfan1@gmail.com

0 of 0 points

Full Name *

MOHAMADH IRFAN

Quiz - Iris Dataset

5 of 8 points

Download the dataset from here: CLICK HERE TO DOWNLOAD

✓ What is the dimensionality of the given dataset? * 1

- [ ] 4 Dimensional
- [x] 5 Dimensional
- [ ] 6 Dimensional
- [ ] 7 Dimensional

✓ Which of the following are correct? * 1

- [x] For SepalLengthCm column - Mean is 5.843333 and Median is 5.80
- [ ] For SepalWidthCm column - Minimum Value is 0.433594
- [x] For PetalLengthCm column - Standard Deviation is 1.764420
- [ ] There are total 112 data points in the given dataset

✓ Select the correct option: * 1

- ( ) For Species column - Cardinality is 4
- (•) For Species column - Cardinality is 3
- ( ) For Species column - Cardinality is 8
- ( ) None of the above

✗ Which of the following is correct? * 1

- [x] For a 70-30 train test split - Number of training datapoints are 105
- [ ] For a 80-20 train test split - Number of training datapoints are 119
- [ ] For a 75-25 train test split - Number of test datapoints are 38
- [ ] None of above

Correct answer

- [x] For a 70-30 train test split - Number of training datapoints are 105
- [x] For a 75-25 train test split - Number of test datapoints are 38

✗ After rescaling of X_train using Standard Scaler, which of the following is correct? (Use 70-30 split) /1

- [ ] Mean of SepalLengthCm column is 2.06
- [x] Standard Deviation of PetalLengthCm column is very very close to 1
- [ ] Median of SepalWidthCm column is 100.092
- [ ] The relationships among all the input features before and after rescaling approa is same

Correct answer

- [x] Standard Deviation of PetalLengthCm column is very very close to 1
- [x] The relationships among all the input features before and after rescaling approa is same

✗ Which algorithm generates the best model? (Use 70-30 split) * /1

- ( ) LogisticRegression
- ( ) KNN Regression
- ( ) Decision Tree Regression
- ( ) Random Forest Regression
- (•) All of the above

Correct answer

- (•) LogisticRegression

✓ Build a Logistic Regression Model which uses **'PetalWidthCm' and 'SepalLengthCm'** only as input variable to predict the **'Species'**. Apply 70-30 split and standardize the data. Report the **Accuracy** of the model. 2

- ○ Accuracy is below 90 Percent
- ○ Accuracy is between 90 to 95 Percent
- ◉ Accuracy is above 95 Percent
- ○ None of the above

Submit your Jupyter Notebook. Upload it here.

Iris-1 - Mohamad…

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