DECISION TREE ASSIGNMENT QUIZ BC=220708

How many pokemon are from the 5th generation?

Marked Answer :

165

MARKS OBTAINED ✔ 1 TOTAL MARKS : 1

How many pokemon have the highest defense score?

Marked Answer :

3

MARKS OBTAINED ✔ 1 TOTAL MARKS : 1

How you will be handling missing values in this dataset:

Marked Answer :

Fill up the null values with None.

MARKS OBTAINED ✔ 1 TOTAL MARKS : 1

Which columns are not having any kind of relationship with the generation column?

Marked Answer :

Both Attack and Speed

MARKS OBTAINED ✔ 1 TOTAL MARKS : 1

Which of the following model is the best fit for predicting the legendary of the pokemon based on the below parameters:

Handle the missing values.
Split the dataset into a 70:30 ratio with random_state as 1.

Marked Answer :

Random Forest Model

MARKS OBTAINED ✔ 1 TOTAL MARKS : 1

What is the precision of the Decision Tree model when the target is False?

Marked Answer :

0.90 to 0.1

MARKS OBTAINED ✔ 1 TOTAL MARKS : 1

What is the sensitivity of the above model when the target is True?

Marked Answer :

0.50 to 0.60

MARKS OBTAINED ✔ 1 TOTAL MARKS : 1

How much misclassified data has been retrieved from the above model?

Marked Answer :

Between 15 to 20

MARKS OBTAINED ✔ 1 TOTAL MARKS : 1

Decision tree models might create some biased trees if some classes dominate. From the below options which action is best to take so that it won't create biased trees:

Marked Answer :

balance the dataset prior to fitting

MARKS OBTAINED ✔ 1 TOTAL MARKS : 1

Suppose, you have to work with an ML problem, where you have to predict the number of oxygen tanks needed to be shipped from Indonesia. Which of the following ML algorithm you will choose:

Marked Answer :

Decision Tree

MARKS OBTAINED ✔ 1 TOTAL MARKS : 1

Suppose, you have to work with an ML problem, where you have to predict the number of oxygen tanks needed to be shipped from Indonesia. Which of the following ML algorithm you will choose:

Marked Answer :

Decision Tree

MARKS OBTAINED ✔ 1 TOTAL MARKS : 1

Which of the following is true for the Decision Tree?

Marked Answer :

All of the above

MARKS OBTAINED ✔ 1 TOTAL MARKS : 1

The total gain is computed by adding the expected value of each outcome and deducting the costs associated with the decision.

Marked Answer :

True

MARKS OBTAINED ✔ 1 TOTAL MARKS : 1

How we can avoid the overfitting in Decision Tree

Marked Answer :

Both of above

MARKS OBTAINED ✔ 1 TOTAL MARKS : 1

## Total Marks 13 / 13