

1 Which column is the `target` variable?

Correct!

Which column is the predictor/target variable in this dataset? The value that we'll try to predict:

Submitted answer:

- ☒ `type`
- ☐ `hair_length`
- ☐ `rotting_flesh`
- ☐ `has_soul`
- ☐ `bone_length`

2 What type of classification is required for this project?

Correct!

Is it binary or multiclass classification?

Submitted answer:

- ☒ Multiclass
- ☐ Binary

3 Separate the target and the features into two variables

Correct

Store the features in `X` and the target `y`.

`X` should be a `DataFrame`, `y` should be a `Series`.

4 Split the data into training and testing using a 80%/20% proportion

Correct

Use the `train_test_split` function to split the data into training and testing. Use a proportion of 80% for the training set, and 20% for the testing set, and `random_state=0`.

Store the values in the variables in `X_train`, `X_test`, `y_train` and `y_test`.

5 Create an instance of the `DecisionTreeClassifier`

Correct

Instantiate the model and store it in the variable `dt`. Use `random_state=0` in the argument of the model.

6 Train a Decision tree classifier

Correct

It's time to train the decision tree using the training dataset.

7 Make predictions on the test set

Correct

Use the trained model to make predictions on the test data. Store the prediction in `y_pred`.