

/content/Project.csv

```
import pandas as pd
from sklearn.model_selection import train_test_split

# Assuming the uploaded CSV file is named 'Project.csv' and it's in the '/content/' directory
data = pd.read_csv('/content/Project.csv')

# Separate features and target
X = data.drop('class', axis=1) # drop the target column to get the features
y = data['class'] # get only the target column

# Split the data into training and testing sets
# Here, 20% of the data is used as the test set, and 80% is used as the training set.
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.20, random_state=42)

# Output the shapes of the resulting splits to confirm sizes
print("Training feature set size:", X_train.shape)
print("Test feature set size:", X_test.shape)
print("Training target set size:", y_train.shape)
print("Test target set size:", y_test.shape)

Training feature set size: (12028, 215)
Test feature set size: (3008, 215)
Training target set size: (12028,)
Test target set size: (3008,)
<ipython-input-4-3555251328ca>:5: DtypeWarning: Columns (92) have mixed types. Specify dtype option on import or set low_memory=False.
data = pd.read_csv('/content/Project.csv')
```

