

# Train Test Split method

- The train Test Split method is used to split our data into train and test sets.
- Before applying the `train_test_split` method we have to divide our data into features X (Independent features) and Y (Dependent feature or the variable have to predict).
- By default `train_test_split` used 75% training data and 25% testing data from the dataset.
- The training dataset is a set of data through which the model is trained.
- The testing dataset is used to evaluate the fit model.

The `train_test_split( )` method parameters:

X = Independent features, Y = Dependent feature, `test_size` = the value between 0 and 1 means if wants 30% test data input with 0.3. , `train_size` = by default none, `random_state` = control how the data is shuffled it can be any value, `stratify` = by default none.

GitHub link: [https://github.com/AmeenUrRehman/Machine-Learning-Projects/tree/up-pages/Train\\_Test\\_Split](https://github.com/AmeenUrRehman/Machine-Learning-Projects/tree/up-pages/Train_Test_Split)