Training and Testing

In [16]:
```
from sklearn.ensemble import GradientBoostingRegressor
rgr = GradientBoostingRegressor()
rgr.fit(X_train,y_train)
```

Out[16]:
```
GradientBoostingRegressor()
```

In [19]:
```
rgr.score(X_test,y_test)
```

Out[19]:
```
0.6743045368357659
```

In [18]:
```
y_predict=rgr.predict(X_test)
```

In [20]:
```
from sklearn.metrics import mean_squared_error, r2_score,mean_absolute_error
import numpy as np
print('Mean Absolute Error:', mean_absolute_error(y_test, y_predict))
print('Mean Squared Error:', mean_squared_error(y_test, y_predict))
print('Root Mean Squared Error:', np.sqrt(mean_squared_error(y_test, y_predict)))
```

```
Mean Absolute Error: 0.057007326976147 7
Mean Squared Error: 0.0065101004357849
Root Mean Squared Error: 0.08068519341108937
```