Choosing Model: Linear Regression

In [88]:
```
from sklearn.linear_model import LinearRegression
```

Creating an OneHotEncoder object to contain all the possible categories

In [90]:
```
ohe=OneHotEncoder()
ohe.fit(X[['name','company','fuel_type']])
```

Out[90]:
```
OneHotEncoder()
```

Creating a column transformer to transform categorical columns

In [91]:
```
column_trans=make_column_transformer((OneHotEncoder(categories=ohe.categories_),
                                      remainder='passthrough')
```

Linear Regression Model

In [92]:
```
lr=LinearRegression()
```

Making a pipeline

In [93]:
```
pipe=make_pipeline(column_trans,lr)
```

Fitting the model

In [94]:
```
pipe.fit(X_train,y_train)
```