

SPRINT 2

```
Xtrain, Xtest, ytrain, ytest = train_test_split(X[:3000], y[:3000],  
test_size=0.2)
```

Choosing appropriate model

```
random_model = RandomForestRegressor(n_estimators=300, random_state =  
42, n_jobs = -1)
```

Check the metrics of the model

```
random_model.fit(Xtrain, ytrain)  
y_pred = random_model.predict(Xtest)  
random_model_accuracy = round(random_model.score(Xtrain, ytrain)*100,2)  
print(round(random_model_accuracy, 2), '%')  
  
99.18 %
```

```
random_model_accuracy1 = round(random_model.score(Xtest, ytest)*100,2)  
print(round(random_model_accuracy1, 2), '%')  
  
97.06 %
```

Save the model

```
import pickle  
saved_model = pickle.dump(random_model,  
open('drive/MyDrive/Dataset/Models/CarSelling.pickle','wb'))
```