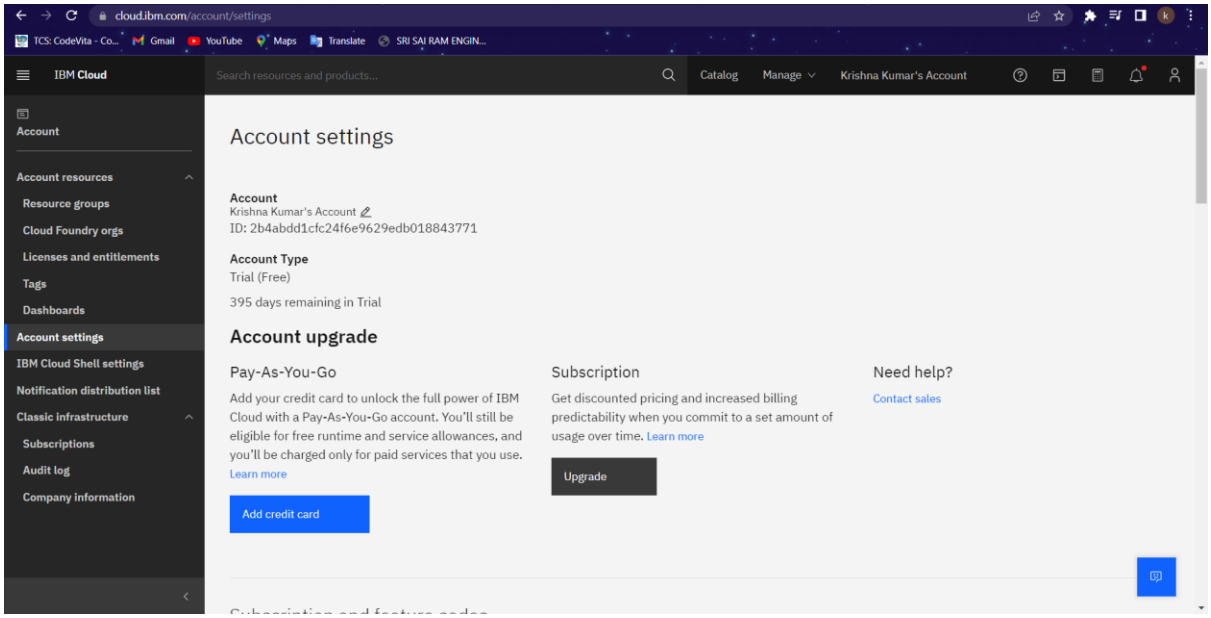
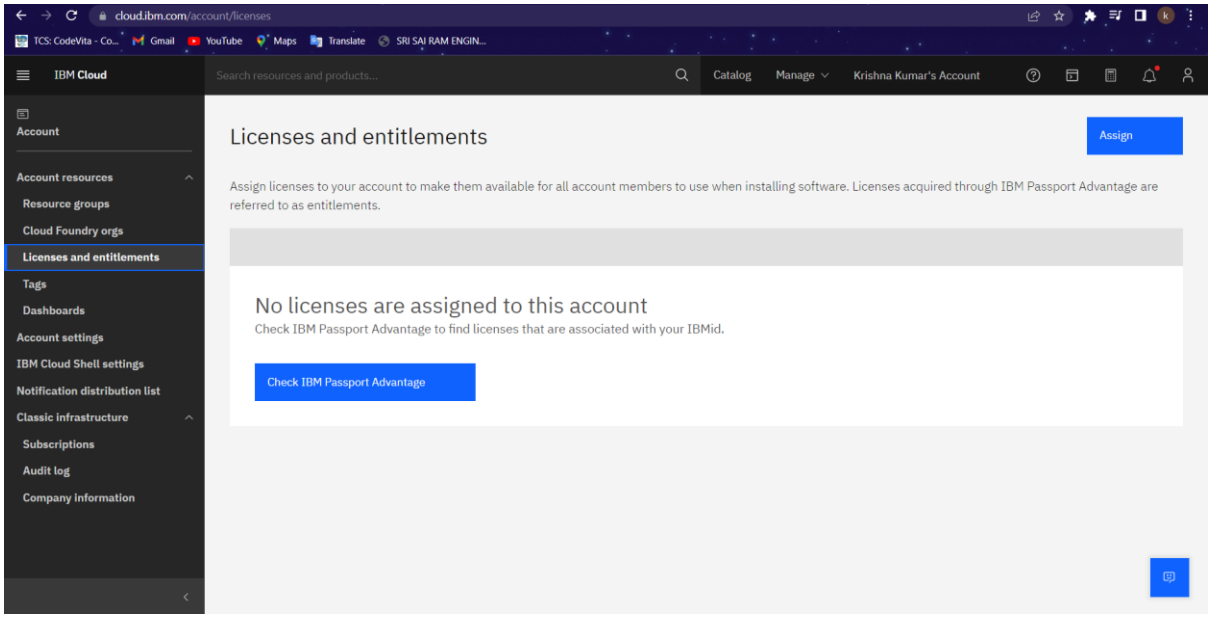
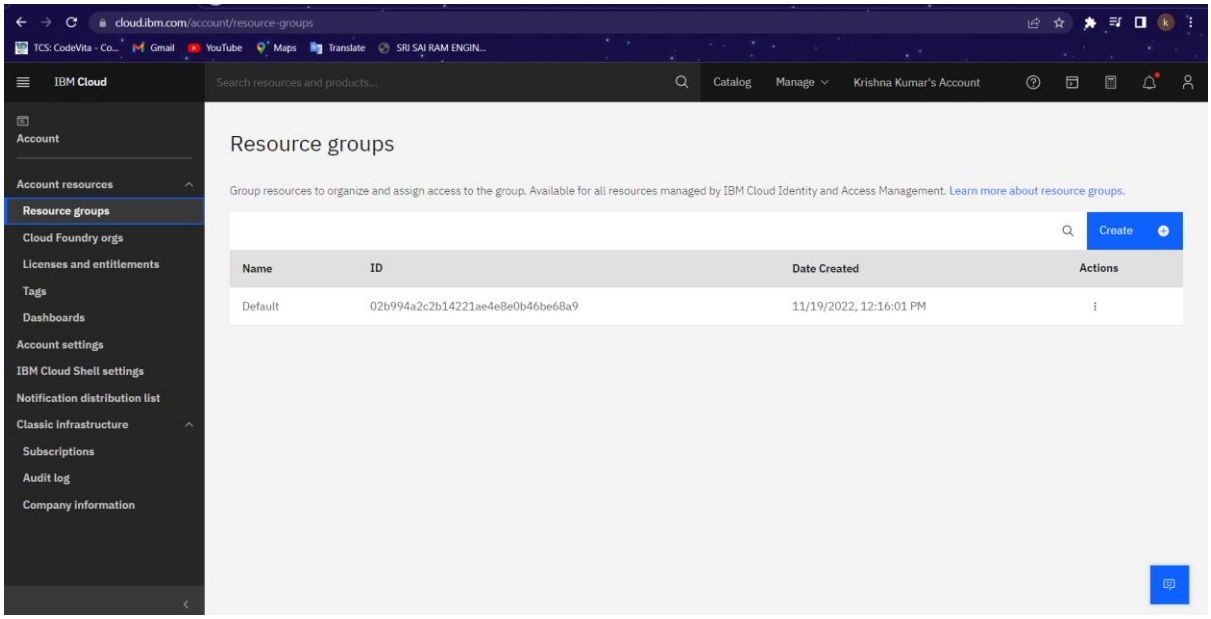
# Training the model on IBM Watson Cloud:

## Creating account

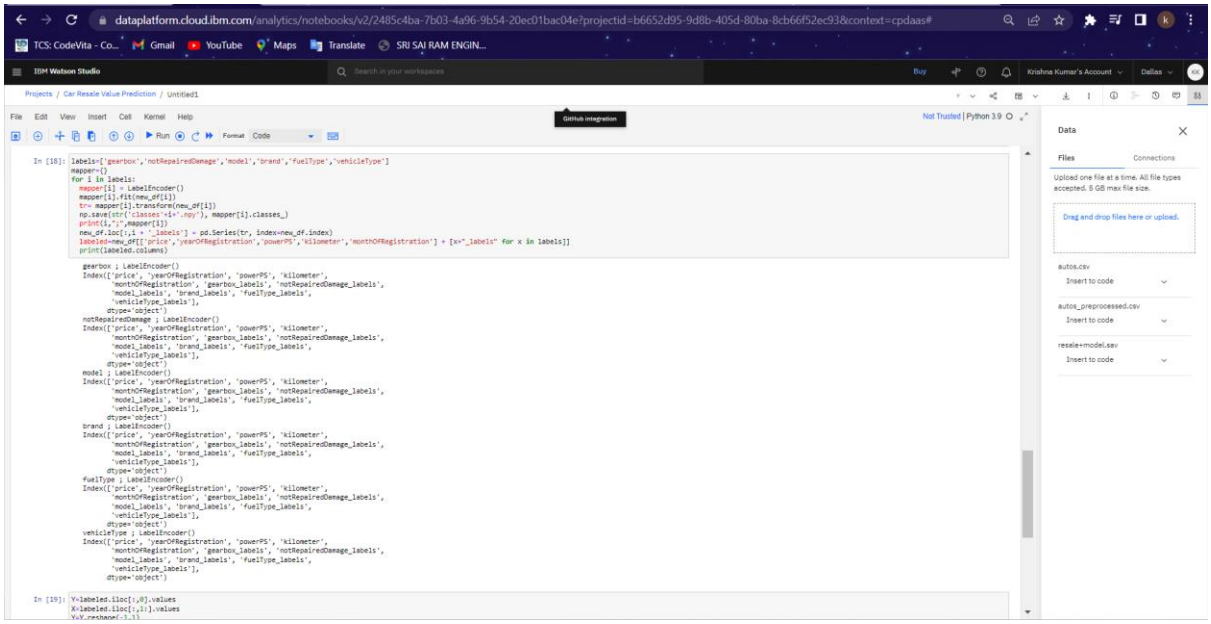


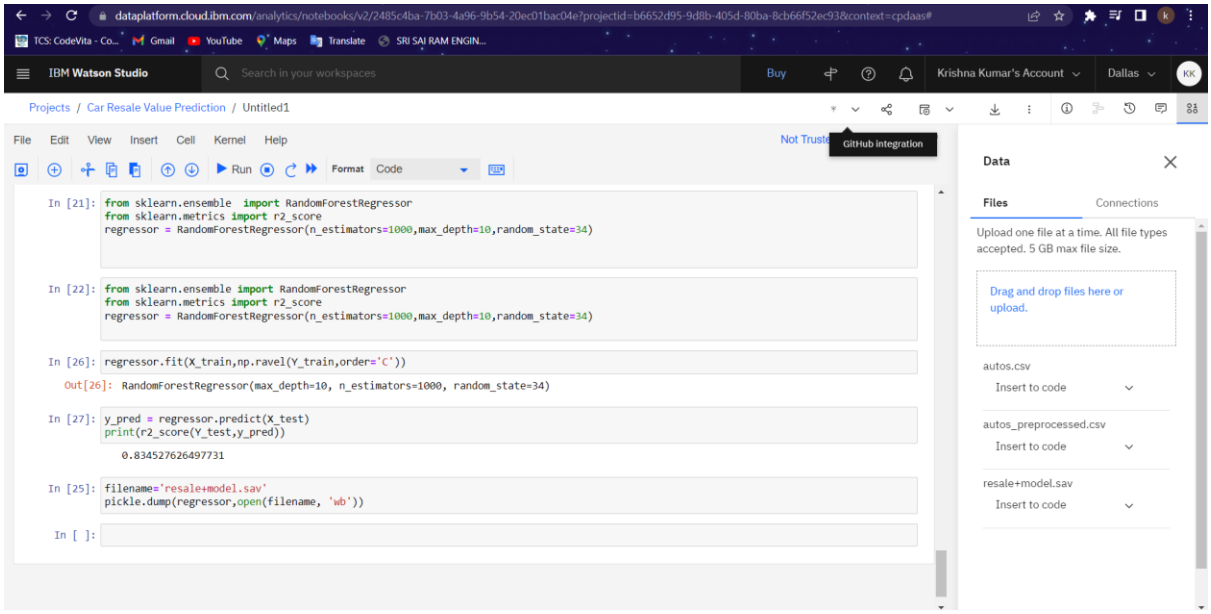



# Attaching resource

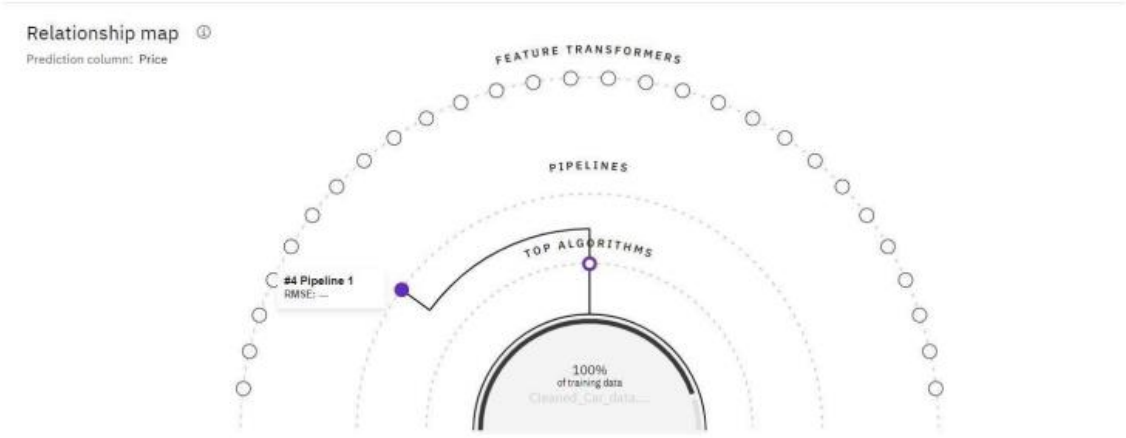


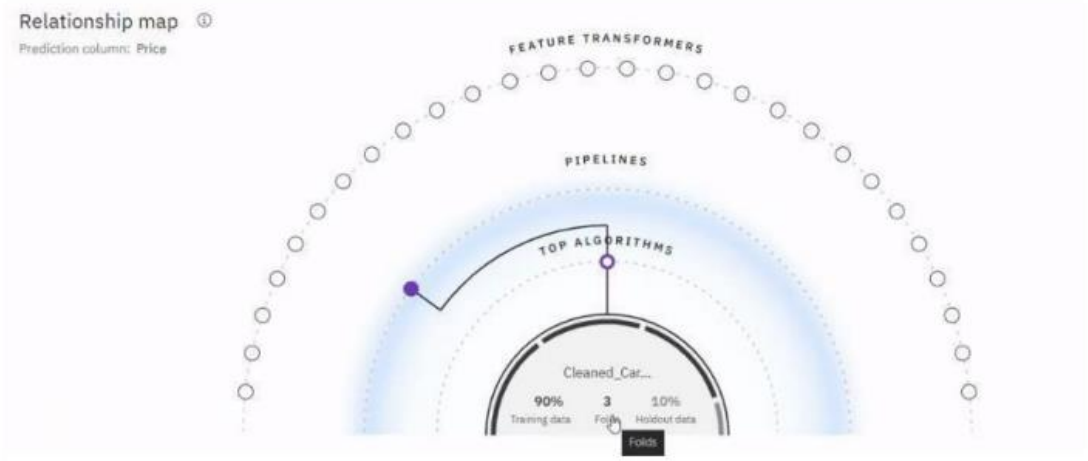

# Training data




dataplatform.cloud.ibm.com/analytics/notebooks/v2/2485c4ba-7b03-4a96-9b54-20ec01bac04e?projectid=b6652d95-9d8b-405d-80ba-8cb66f52ec93&context=cpdaas#
IBM Watson Studio
Search in your workspaces
Buy
Krishna Kumar's Account
Dallas
Projects / Car Resale Value Prediction / Untitled1
File Edit View Insert Cell Kernel Help
GitHub integration
Run
Format
Code
In [21]:
from sklearn.ensemble import RandomForestRegressor
from sklearn.metrics import r2_score
regressor = RandomForestRegressor(n_estimators=1000,max_depth=10,random_state=34)
In [22]:
from sklearn.ensemble import RandomForestRegressor
from sklearn.metrics import r2_score
regressor = RandomForestRegressor(n_estimators=1000,max_depth=10,random_state=34)
In [26]:
regressor.fit(X_train,np.ravel(Y_train,order='C'))
Out[26]:
RandomForestRegressor(max_depth=10, n_estimators=1000, random_state=34)
In [27]:
y_pred = regressor.predict(X_test)
print(r2_score(Y_test,y_pred))
0.834527626497731
In [25]:
filename='resale+model.sav'
pickle.dump(regressor,open(filename, 'wb'))
In [ ]:
Data
Files
Connections
Upload one file at a time. All file types accepted. 5 GB max file size.
Drag and drop files here or upload.
autos.csv
Insert to code
autos_preprocessed.csv
Insert to code
resale+model.sav
Insert to code

# Result


Relationship map
Prediction column: Price
FEATURE TRANSFORMERS
PIPELINES
TOP ALGORITHMS
#4 Pipeline 1
RMSE: —
100%
of training data


Relationship map
Prediction column: Price
FEATURE TRANSFORMERS
PIPELINES
TOP ALGORITHMS
Cleaned_Car...
90%
Training data
3
Folds
10%
Holdout data
Folds