TEAM ID: PNT2022TMID03401

PROJECT NAME: DemanEst – AI powered Food Demand Forecaster

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Model Evalution
In [58]:

XG = XGBRegressor()

XG.fit(X_train, Y_train)

y_pred = XS.predict(X_val)

y_pred(y_pred(y) = 0

from sklearn import metrics
                 print('RMSLE:', 100*np.sqrt(metrics.mean_squared_log_error(Y_val, y_pred)))
                 [07:02:44] WARNING: /workspace/src/objective/regression obj.cu:152: reg:linear is now deprecated in favor of reg:squareder
                  RMSLE: 101.75835240676072
In [59]:
LR = LinearRegression()
LR.flt(X_train, Y_train)
y_pred = LR.predict(X_vai)
y_pred(y_pred(v) = 0
from sklearn import metrics
print('RMSLE:', 100*np.sqrt(metrics.mean_squared_log_error(Y_vai, y_pred)))
                 RMSLE: 155.0295463202577
In [60]:
L = Lasso()
L.fit(X_train, Y_train)
y_pred = L.predict(X_val)
y_pred(y_pred(v0) = 0
from sklearn import metrics
print('RMSLE:', 100*np.sqrt(metrics.mean_squared_log_error(Y_val, y_pred)))
                 RMSLE: 153.61529213206654
 In [61]: EN = ElasticNet()
                EN = ElasticNet()
EN.fit(X_train, Y_train)
y_pred = EN.predict(X_val)
y_pred[y_pred(0] = 0
from sklearn import metrics
print('RMSLE:', 100*np.sqrt(metrics.mean_squared_log_error(Y_val, y_pred)))
                 RMSLE: 128.18160427515775
In [62]: DT = DecisionTreeRegressor()
DT.fit(X_train, Y_train)
    y_pred = DT.predict(X_val)
    y_pred(y_pred(0) = 0
    from sklearn import metrics
    print('RMSLE:', 100*np.sqrt(metrics.mean_squared_log_error(Y_val, y_pred)))
                  RMSLE: 89.75089729538145
In [63]: KNN = DecisionTreeRegressor()
                KNN = Decision!reekegressor()
KNN.fit(X_train, Y_train)
y_pred = KNN.predict(X_val)
y_pred[y_pred(9] = 0
from sklearn import metrics
print('RMSLE:', 100*np.sqrt(metrics.mean_squared_log_error(Y_val, y_pred)))
                 RMSLE: 89.69506088378594
In [64]: GB = DecisionTreeRegressor()
GB.fit(X_train, Y_train)
y_pred = GB.predict(X_val)
y_pred(y_pred(0) = 0
from sklearn import metrics
print('RMSLE:', 100*np.sqrt(metrics.mean_squared_log_error(Y_val, y_pred)))
```