Project Development Phase Model Performance Test

Date	20-11-2023
Team ID	TEAM-591736
Project Name	Walmart store sales forecasting
Maximum Marks	10 Marks

Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Metrics	Regression Model: MAE - , MSE - , RMSE - , R2 score - Classificatio n Model: Confusion Matrix - , Accuray Score - & Classification Report -	from sklearn.ensemble (aport RandomforestRegressor rf - RandomforestRegressor(n_estAmotors-50, max_depth-20, min_samples_split-3, min_samples_leaf-1) rf.ffl(X(train, y_train.rawel()) # Assuming X_train, y_train are your training date print('Accuracy: 'n.fs.come(X_test, y_test.rawel()) * 100, '%') from sklearn.entrics import mean_squared_error from sklearn.entrics import mean_squared_error rm = mean_squared_error(y_test, y_pred, squared-false) print('Rest:', mean_absolute_error(y_test, y_pred)) print('Rest:', mean_absolute_error(y_test, y_pred)) print('Rest:', min_absolute_error(y_test, y_pred)) print('Rest:', min_absolute_error(y_test, y_pred)) print('Atter ifiting the model) ### Add similar print statements at different stages MR: 1081.99941755199 Before fitting the model Accuracy: '96.4577508824995 'X Before fitting the model ### Accuracy: '96.4577508824995 'X ### Print('Training Accuracy:', rf.score(X_train,y_train.rawel())*100, 'X') print('Training Accuracy:', rf.score(X_train,y_train.rawel())*100, 'X') print('Training Accuracy:', rg.reg.score(X_test,y_test)*100, 'X') print('Accuracy:', y_g_reg.score(X_test,y_test)*100, 'X') print('Mase:', mean_absolute_error(y_test, y_pred, squared-false) print('Mase:', mean_absolute_error(y_test, y_pred)) Accuracy: '93.28899619359017 'X PROSE: '9575.146796472817 ME: 3035.7967659356923
			<pre>print('Training Accuracy:',xg_reg.score(X_train,y_train)*100,'%') \$ 73 Training Accuracy: 94.29593668521562 %</pre>

