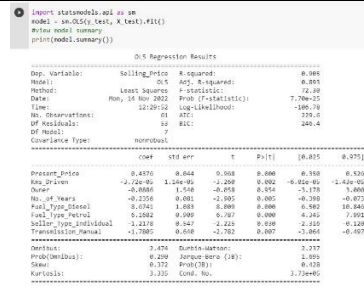



Project Development Phase Model Performance Test

| | |
|---------------|---------------------------------------|
| Date | 10 November 2022 |
| Team ID | PNT2022TMID05680 |
| Project Name | Project - Car Resale value Prediction |
| 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. | Model Summary | - |  <pre> import statsmodels.api as sm model = sm.OLS(y_test, X_test).fit() # Print model summary print(model.summary()) OLS Regression Results ===== Dep. Variable: Selling_Price R-squared: 0.985 Model: OLS F-statistic: 72.89 Method: Least Squares Prob (F-statistic): 7.76e-25 Date: Mon, 20 Nov 2022 Log-likelihood: -385.79 Time: 12:25:52 AIC: 379.0 No. Observations: 61 BIC: 388.4 Df Residuals: 52 Df Model: 7 Covariance Type: nonconstant ===== OLS Std. Err. t P> t [0.025 0.975] ----- Present_Price 0.4570 0.044 10.508 0.000 0.368 0.536 Km_Driven -2.22e-05 1.54e-05 -1.450 0.000 -5.30e-05 -1.14e-05 Owner -0.0000 1.50e-05 -0.000 0.974 -3.17e-05 3.16e-05 No_of_Year -0.2756 0.081 -3.395 0.000 -0.398 -0.153 Fuel_Type_Petrol 0.0761 1.083 0.009 0.998 -1.062 1.214 Seller_Type_Individual 1.2882 0.009 139.707 0.000 1.269 1.307 Seller_Type_Individual -1.2210 0.167 -7.245 0.000 -1.528 -0.914 Transmission_Varia -1.7085 0.618 -2.762 0.007 -2.904 -1.513 ===== Omnibus: 3.476 Durbin-Watson: 2.257 Prob(Omnibus): 0.069 Jarque-Bera (JB): 1.052 Skew: 0.372 Prob(JB): 0.428 Kurtosis: 1.335 Cond. No. 5.77e+05 ===== </pre> |
| 2. | Accuracy | Training Accuracy –0.83 Validation Accuracy -0.90 |  <pre> from sklearn.metrics import accuracy_score print(accuracy_score(original_classes, pred_classes)) 0.9016393442622951 </pre> |