Model Performance Testing:

Project team shall fill the following information in model performance testing

```
values
                                   Screenshot
Regression Model:
                                       model = LGBMRegressor(boosting_type="gbdt",learning_rate=0.07,metric="rmse",n_estimators=300,objective="r
LGBM Regressor MAE:
1327.56 MSE: 9492244.25
RMSE: 3080.93 RMSLE:
8.05 R2 Score: 0.8664
                                    opt/conda/envs/Python-3.9/lib/python3.9/site-packages/sklearn/utils/validation.py:993: DataConversionWarning/
Adjusted R2 Score:
                                     the shape of y to (n_samples, ), for example using ravel().
y = column_or_1d(y, warn=True)
                                    {'mae': 1327.549477341283,
                                     'mse': 9492244.283543464,
                                       lgbm_configs = {
Hyperparameter
                                           "name": 'LGBMRegressor',
Tuning 1) Learning Rate:
[0.01, 0.03, 0.05, 0.07] 2)
Boosting Type:
                                               "goal": "maximize"
['gbdt','dart','goss','rf'] 3)
                                            'parameters": {
Number of Estimators:
                                               "learning_rate": {
[100,200,300] Validation
                                                   "values": [0.01, 0.03, 0.05, 0.07]
Method: Grid Search
Cross Validation Best
Parameters: Learning Rate
- 0.07 Boosting Type -
                                                "boosting_type": {
                                                    "values": ['gbdt','dart','goss','rf']
'gbdt' Number of
Estimators - 30
                                                    "values": ['rmse']
                                                    "values": [100,200,300]
                                                    "values": [42]
```

