

PERFORMANCE TESTING

METRICS

```
MAE: 1764.943372979013
MSE: 16338741.86146125
RMSLE: 4042.1209607656783
R2: 0.8285239256911172
```

HYPERPARAMETERS

```
lgbm_configs = {
    "name": 'LGBMRegressor',
    "method": "grid",
    "metric": {
        "name": "adj_r2",
        "goal": "maximize"
    },
    "parameters": {
        "learning_rate": {
            "values": [0.01, 0.03, 0.05, 0.07]
        },
        "objective": {
            "values": ['root_mean_squared_error']
        },
        "boosting_type": {
            "values": ['gbdt', 'dart', 'goss', 'rf']
        },
        "reg_sqrt": {
            "values": [True]
        },
        "metric": {
            "values": ['rmse']
        },
        "n_estimators": {
            "values": [100, 200, 300]
        },
        "random_state": {
            "values": [42]
        }
    }
}
```

