Model Metrics

# Features

Graphical user interface, text

Description automatically generated with medium confidence

# 2.0 Model Parameters and Hyperparameters

**Default CatBoostRegressor:**

|  | **Parameters** |
| --- | --- |
| **border\_count** | 254 |
| **loss\_function** | RMSE |
| **random\_state** | 123 |
| **task\_type** | CPU |
| **verbose** | False |

**Light Gradient Boosting Machine**

|  | **Parameter** |
| --- | --- |
| **boosting\_type** | gbdt |
| **class\_weight** | None |
| **colsample\_bytree** | 1.0 |
| **importance\_type** | split |
| **learning\_rate** | 0.146154 |
| **max\_depth** | 20 |
| **min\_child\_samples** | 20 |
| **min\_child\_weight** | 0.001 |
| **min\_split\_gain** | 0.0 |
| **n\_estimators** | 250 |
| **n\_jobs** | -1 |
| **num\_leaves** | 10 |
| **objective** | None |
| **random\_state** | 123 |
| **reg\_alpha** | 0.0 |
| **reg\_lambda** | 0.0 |
| **silent** | warn |
| **subsample** | 1.0 |
| **subsample\_for\_bin** | 200000 |
| **subsample\_freq** | 0 |

**Extra Trees Regressor:**

| **Parameters** |
| --- |
| **bootstrap** | False |
| **ccp\_alpha** | 0.0 |
| **criterion** | squared\_error |
| **max\_depth** | 30 |
| **max\_features** | auto |
| **max\_leaf\_nodes** | None |
| **max\_samples** | None |
| **min\_impurity\_decrease** | 0.0 |
| **min\_samples\_leaf** | 1 |
| **min\_samples\_split** | 2 |
| **min\_weight\_fraction\_leaf** | 0.0 |
| **n\_estimators** | 50 |
| **n\_jobs** | -1 |

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A table with numbers and lines

Description automatically generated