| Feature          | LGBMRegressor Importance | % XGBRegressor Importance | CBRegressor Importance |
|------------------|--------------------------|---------------------------|------------------------|
| TotalArea        | 287                      | 55.5617%                  | 36.773302              |
| 1stFlrSF         | 162                      | 0.1283%                   | 1.461696               |
| LotFrontageRatio | 153                      | 0.2484%                   | 1.447471               |
| Neighborhood     | 146                      | 3.4281%                   | 7.168778               |
| OverallScore     | 146                      | 3.2643%                   | 8.165677               |
| BedroomRatio     | 142                      | 0.2593%                   | 1.655877               |
| BsmtUnfSF        | 134                      | 0.3917%                   | 0.992401               |
| GarageScore      | 122                      | 0.1021%                   | 1.63529                |
| 2ndFlrSF         | 120                      | 1.1837%                   | 2.292962               |
| BsmtFinSF1       | 112                      | 0.4975%                   | 2.411249               |
| TotalPorchArea   | 107                      | 0.1959%                   | 1.078348               |
| RemodelAge       | 101                      | 1.306%                    | 4.029091               |
| FireplaceQu      | 91                       | 1.3846%                   | 3.421589               |
| HouseAge         | 90                       | 0.2704%                   | 2.079785               |
| SaleCondition    | 87                       | 0.6215%                   | 1.070687               |
| BsmtExposure     | 75                       | 0.6292%                   | 1.099108               |
| LandContour      | 66                       | 0.661%                    | 0.77873                |
| BsmtFinType1     | 65                       | 0.5328%                   | 0.382509               |
| MasVnrArea       | 56                       | 0.2753%                   | 0.708146               |
| MSSubClass       | 48                       | 0.2472%                   | 1.513948               |
| KitchenScore     | 45                       | 4.4976%                   | 0.583629               |
| BsmtQual         | 45                       | 2.5019%                   | 3.152531               |
| HeatingQC        | 45                       | 0.391%                    | 1.677407               |
| TotalBathrooms   | 41                       | 3.203%                    | 3.154025               |
| MasVnrType       | 40                       | 0.6985%                   | 0.726848               |
| Exterior2nd      | 40                       | 0.2616%                   | 0.742862               |
| ExteriorScore    | 38                       | 7.1719%                   | 2.420398               |
|                  | 35                       | 0.4274%                   | 0.508164               |
| GarageFinish     |                          |                           |                        |
| HouseStyle       | 34                       | 0.4882%                   | 0.29231<br>0.49652     |
| Exterior1st      | 32                       | 1.1741%                   |                        |
| Functional       | 31                       | 0.699%                    | 0.478207               |
| Condition1       | 31                       | 0.2059%                   | 0.496087               |
| RoofStyle        | 29                       | 0.2717%                   | 0.790787               |
| LotShape         | 29                       | 0.1229%                   | 0.355415               |
| GarageType       | 28                       | 0.3795%                   | 0.381506               |
| BsmtCond         | 27                       | 0.4479%                   | 0.26807                |
| BsmtFinType2     | 23                       | 0.0939%                   | 0.09673                |
| BldgType         | 22                       | 0.4581%                   | 0.360151               |
| MSZoning         | 19                       | 0.123%                    | 0.671044               |
| Foundation       | 16                       | 0.3519%                   | 0.444622               |
| Electrical       | 11                       | 0.2433%                   | 0.270879               |
| GarageCond       | 9                        | 0.2685%                   | 0.213441               |
| CentralAir       | 8                        | 3.3875%                   | 0.379146               |
| PavedDrive       | 7                        | 0.0947%                   | 0.201592               |
| HasFireplace     | 5                        | 0.8481%                   | 0.523212               |
| Heating_GasA     | 0                        | 0%                        | 0.000616               |
| HasGarage        | 0                        | 0%                        | 0.147158               |