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| --- | --- | --- |
| Model | Mean Squared Error (MSE) | Root Mean Squared Error (RMSE) |
| Random Forest |  |  |
| All features, no tuning | 8.9928e-05 | 0.00948 |
| Seoul\_2 only, no tuning | 5.8238e-07 | 0.00076 |
| REMOVE SEOUL\_2 (NON-INDEPENDENT FEATURE) | | |
| Random Forest |  |  |
| Seoul\_2 removed (28 features), no tuning | 0.00044 | 0.02099 |
| Second elimination (10 features), no tuning | 0.00031 | 0.01774 |
| Second elimination (10 features), tuned | 0.00052 | 0.02286 |
| Additional Methods \*all additional methods use the previously selected 10 features | | |
| Voting Ensemble | 0.00035 | 0.01882 |
| Pytorch Neural Net | 0.00552 | 0.07429 |
| Pytorch Neural Net, improved structure | 0.00155 | 0.03936 |
| Catboost | 0.00051 | 0.02266 |
| LightGBM | 0.00076 | 0.02756 |
| All error values are rounded to 5 places for consistency |  |  |