

| Model | Adj R ² | MSE on Test Data |
|---|--------------------|------------------|
| Degree = 1, All Features | 96.0 | $2.73 * 10^{21}$ |
| Degree = 1, First 20 Best Features | 78.4 | 2.76 |
| Degree = 1, Lasso Feature Selection(87 Features) | 94.6 | 1.15 |
| Degree = 1, Lasso Feature Selection(87 Features),Min-Max Transformation | 94.6 | 0.001 |
| Degree = 1, Lasso Feature Selection(87 Features),Min-Max & Box-Cox Transformation | 94.5 | 0.0006 |
| Degree = 1, Lasso Feature Selection(87 Features),Min-Max & Box-Cox Transformation, Bagging | 89.0 | 0.0006 |
| Degree = 1, Lasso Feature Selection(87 Features),Min-Max & Box-Cox Transformation, Gradient Boosting | 92.4 | 0.0004 |
| Degree = 2, All Features),Min-Max & Box-Cox Transformation | 95.3 | 0.006 |
| Degree = 3, All Features),Min-Max & Box-Cox Transformation | 94.9 | 0.619 |
| Degree = 4, All Features),Min-Max & Box-Cox Transformation | 94.5 | 12.197 |
| Degree = 5, All Features),Min-Max & Box-Cox Transformation | 94.0 | 95.710 |
| Degree = 2, Lasso Feature Selection(54 Features),Min-Max & Box-Cox Transformation | 92.2 | 0.001 |
| Degree = 2, Lasso Feature Selection(54 Features),Min-Max & Box-Cox Transformation, Gradient Boosting(XG Boost) | 91.8 | 0.0003 |

