|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Model \ Score** |  | Mean absolute error | Mean squared error | Median absolute error |
| Linear Regression | 0.48 | 0.83 | 1.06 | 0.69 |
| Ridge linear regression  Alpha = 0.4 | 0.37 | 0.81 | 1.02 | 0.69 |
| Lasso linear regression  Alpha = 0.0001 | 0.37 | 0.81 | 1.02 | 0.69 |
| KNN  N = 5 | 0.93 | 0.27 | 0.15 | 0.20 |
| SVM  C = 0.08 | 0.55 | 0.75 | 0.93 | 0.59 |
| Random Forest | 0.95 | 0.21 | 0.10 | 0.13 |
| Gradient Boost | 0.96 | 0.19 | 0.08 | 0.13 |

Linear Regression = 1.05404

Ridge Linear Regression = 1.05402  
Lasso Linear Regression = 1.05356

Knn = 0.56399

SVM = 0.95679

Gradient boost = 0.350