

| Model Name | No of features | MSE(mean squared error) | RMSE(Root mean squared logarithmic error) | R squared | Cross validation Score(k=10) |
|---------------------------------------|----------------|-------------------------|---|--------------------------|------------------------------|
| Simple Linear Regression Model | 4 | 0.120447 | 0.347055 | 0.56516 56.5% | 0.56703 56.7% |
| Complex Linear Regression Model | 11 | 0.070523 | 0.265562 | 0.74540 74.5% | 0.74726 74.7% |
| Ridge regression model Alpha=0.05 | 11 | 0.070640 | 0.26578 | 0.744978 74.5% | 0.746627 74.66% |
| Polynomial regression degree=2 | 11 | 0.063654 | 0.252298 | 0.770199 77.0% | 0.765150 76.5% |
| Polynomial Regression Degree=3 | 11 | 0.074978 | 0.27382 | 0.729319 73.0% | - |
| Ridge Regression Alpha=1 | 84 | 0.05199 | 0.22802 | 0.81228 81% | - |
| Lasso Regression Alpha=0.01 | 84 | 0.06989 | 0.26438 | 0.747662 74.7% | - |