

| Method | Train R squared | Test R squared | (Converted) Test Accuracy | Number of predictors | Prediction time (ms) | Best CV parameter |
|---|-----------------|----------------|------------------------------|----------------------|----------------------|---|
| <i>Baseline (Linear Regression)</i> | <i>0.99100</i> | <i>0.91700</i> | <i>0.72700</i> | <i>1928.00000</i> | <i>0.00000</i> | |
| Lasso | 0.98700 | 0.94700 | 0.77900 | 1799.00000 | 0.00000 | C = 0.0001 |
| Ridge | 0.98700 | 0.94600 | 0.77900 | 1928.00000 | 0.00000 | C = 0.0001 |
| <i>Linear Regression (with 90% PCA)</i> | <i>0.95000</i> | <i>0.94700</i> | <i>0.75400</i> | <i>61.00000</i> | <i>0.00000</i> | <i>Smallest train-test R squared diff</i> |
| 2nd order Polynomial (with 90% PCA) | 0.99600 | 0.93700 | 0.74300 | 1608.00000 | 0.00000 | Overfit! |

| Individually Trained Model | Average Train R squared | Test R squared | (Converted) Test Accuracy | Number of predictors | Prediction time (ms) | Best CV parameter |
|----------------------------------|-------------------------|----------------|------------------------------|----------------------|----------------------|------------------------------------|
| Linear Regression (with 90% PCA) | 0.98300 | 0.97800 | 0.93000 | 61.00000 | 0.00000 | Smallest train-test R squared diff |