Table 2: Model Performance Summary

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| Model | Explanation | Performance |
| Random Forest | Random Forest uses many decision trees and combines their results to make more accurate and stable predictions. | - MAE: 0.0675942<br>- RMSE: 0.0889245<br>- R-squared: 0.5855466 |
| Cubist | Cubist is a model that creates rules and uses them to make predictions. | - MAE: 0.0666379<br>- RMSE: 0.0909819<br>- R-squared: 0.5785172 |
| Elastic Net Regression | Elastic Net Regression improves prediction accuracy by combining two methods that help in managing data complexity. | - MAE: 0.0909566<br>- RMSE: 0.1132927<br>- R-squared: 0.3069637 |
| OLS Regression | OLS Regression finds the best-fit line by minimizing the differences between actual and predicted values. | - MAE: 0.0949522<br>- RMSE: 0.1239641<br>- R-squared: 0.3104240 |
| PLS Regression | PLS Regression simplifies the data into fewer components and then makes predictions based on these components. | - MAE: 0.1111390<br>- RMSE: 0.1388444<br>- R-squared: 0.1417295 |
| SVM | SVM finds the best way to separate data into different groups. | - MAE: 0.0801286<br>- RMSE: 0.1086437<br>- R-squared: 0.4212952 |