

Model Performance (Test Set)

Model	R2	RMSE	MAE
RandomForest	0.731266	29.189361	10.775594
KNNRegressor	0.717366	29.934731	11.255149
GradientBoosting	0.693138	31.191400	12.247399
Lasso	0.428736	42.558063	23.639246
Ridge	0.428717	42.558779	23.642985
Linear Regression	0.428701	42.559347	23.653237

Hyperparameter Tuning Results (Test Set)

Model	R2	RMSE	MAE
RandomForest (base)	0.731266	29.189361	10.775594
Randomized SearchCV	0.734607	29.007341	10.62336
GridSearchCV	0.733962	29.042605	10.593079