Model and dataset	R² Score before hyper parameter tuning	R² Score after hyper parameter tuning
Decision tree with final dataset (not correlation analyzed)	0.9989973535575556	0.9944559185397505
Decision tree with correlation analyzed dataset	0.5814	0.3946
K- nearest neighbor model with final dataset (not correlation analyzed)	0.3015858407701346	0.7830506062160387
K- nearest neighbor model correlation analyzed dataset	-0.0204	0.3070
Linear model with final dataset (not correlation analyzed)	0.36104574346705776	0.1218049299338887
Linear model correlation analyzed dataset	0.1099	0.3070
Ridge regressor with final dataset (not correlation analyzed)	0.9999871360586355	0.9999999999865897
Ridge regressor correlation analyzed dataset	0.0918	0.1060