To find machine learning regression method using R2_ values.

1. **Multiple linear regression- R_2 value =0.9358**
2. **Support vector machine.**

Method	R-2 value	C=0.01	C=1	C=100
Linear	0.09228	0.09228	0.09228	0.09228
rbf	0.09228	0.09228	0.09228	0.09228
Poly	0.09228	0.09228	0.09228	0.09228
Sigmoid	0.09228	0.09228	0.09228	0.09228

3.**Decision Tree algorithm.**

Criterion	Splitter	R_score
Squared error	**Best**	**0.98968**
Squared error	**Random**	**0.98968**
Friedman error	**Best**	**0.98968**
Friedman error	**Random**	**0.98968**
Absolute error	**Best**	**0.98968**
Absolute error	**Random**	**0.98968**
Poisson	**Best**	**0.98968**
Poisson	**Random**	**0.98968**

3. **Random forest algorithm**

Random Forest algorithm R_2 value is =0.99078.

As a result of comparison between multiple algorithm. we have selected random forest algorithm as a best model .