Maching Learning Regression Methods using to find R2 Value

1. **Multiple Linear Regression: R value: 0.93**
2. **Support Vector Machine**

SL.NO	kernel	R Value
1.	linear	0.054
2.	rbf	**0.057**
3.	poly	**0.057**
4.	sigmoid	**0.057**
5.	precomputed	Not supported for this data

The **SUPPORT VECTOR MACHINE** uses R2 value(rbf, poly, sigmoid)=**0.57**

3. **Decision Tree**

SL.NO	CRITERION	SPLITTER	R_VALUE
1.	squared_error	best	0.91
2.	friedman_mse	best	0.89
3.	Absolute_error	best	0.93
4.	poisson	best	**0.94**
5.	poisson	random	0.79
6.	squared_error	random	0.78
7.	friedman_mse	random	0.91
8.	Absolute_error	random	0.90

The **DECISION TREE REGRESSION** uses R2 value(poisson, best)=**0.94**