## **Consolidated R\_Score Values for Insurance Data Set**

## Krishnaveni

SVM	Support Vector Model					
DT	Decision Tree					
RF	Random Forest					
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Sr.No.	Algorithm	Dataset	Standardisation	Parameter	Playable Parameter	R_Score
1	MLR	insurance_pre.csv	No	NA	NA	0.789479
1	SVM	insurance_pre.csv	No	100	<del>                                     </del>	-0.111661
2	SVM	insurance_pre.csv	No	100	kernal='linear', gamma='auto'	-0.111661
3	SVM	insurance_pre.csv	No	100	kernal='poly', gamma='scale'	-0.064293
4	SVM	insurance_pre.csv	No	100	1 7:0	0.8654549
5	SVM	insurance_pre.csv	No	100	kernal='rbf', gamma='scale'	-0.088427
6	SVM	insurance_pre.csv	No	100	kernal='rbf', gamma='auto'	-0.089474
7	SVM	insurance_pre.csv	No	100	kernal='sigmoid', gamma='scale'	-0.089941
8	SVM	insurance_pre.csv	No	100	kernal='sigmoid', gamma='auto'	-0.089709
						Not a square
9	SVM	insurance_pre.csv	No	100	kernal='precomputed', gamma='scale'	Matrix
10	SVM	insurance_pre.csv	No	100	kernal='precomputed', gamma='auto'	Not a square Matrix
9	DT	insurance_pre.csv	No	100	criterion="squared_error",splitter="best",max_features="auto"	0.7165749
10	DT	insurance_pre.csv	No	100	criterion="squared_error",splitter="random",max_features="auto"	0.7375993
11	DT	insurance_pre.csv	No	100	criterion="squared_error",splitter="best",max_features="sqrt"	0.721461
12	DT	insurance_pre.csv	No	100	criterion="squared_error",splitter="random",max_features="sqrt"	0.7529157
13	DT	insurance pre.csv	No	100	criterion="squared_error",splitter="best",max_features="log2"	0.7433064
14		insurance_pre.csv	No	100		0.5951156
15		insurance_pre.csv	No	100	criterion="friedman_mse",splitter="best",max_features="auto"	0.6891713
16		insurance_pre.csv	No	100	criterion="friedman_mse",splitter="random",max_features="auto"	0.7209783
17	DT	insurance_pre.csv		100	criterion="friedman_mse",splitter="best",max_features="sqrt"	0.6563865

Multiple Linear Regression

Took long time

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18	DT	insurance_pre.csv	No	100	criterion="friedman_mse",splitter="random",max_features="sqrt"	0.6362605
19	DT	insurance_pre.csv	No	100	criterion="friedman_mse",splitter="best",max_features="log2"	0.7013077
20	DT	:	NI	100	authorica — "fuic discon maco" onlittor— "roundone" maco, foctomos— "loca"	0 6546051
20	DT	insurance_pre.csv	No	100	criterion="friedman_mse",splitter="random",max_features="log2"	0.6546851
21	DT	incurance pro ccv	No	100	criterion="absolute_error",splitter="best",max_features="auto"	0.6647716
21		insurance_pre.csv	NO	100	criterion- absolute_error ,spritter- best ,max_reatures- auto	0.0047710
22	DT	insurance_pre.csv	No	100	criterion="absolute_error",splitter="random",max_features="auto"	0.7437253
		misurance_pre.esv	140	100	anteriori absorate_error jspritter random jmax_reatares adto	0.7107200
23	DT	insurance_pre.csv	No	100	criterion="absolute_error",splitter="best",max_features="sqrt"	0.7031522
		<del>_</del> '				
24	DT	insurance_pre.csv	No	100	criterion="absolute_error",splitter="random",max_features="sqrt"	0.6267574
25	DT	insurance_pre.csv	No	100	criterion="absolute_error",splitter="best",max_features="log2"	0.7235064
26	DT	insurance_pre.csv	No	100	criterion="absolute_error",splitter="random",max_features="log2"	0.7337747
27	DT	insurance_pre.csv	No	100	criterion="poisson",splitter="best",max_features="auto"	0.6687169
28	DT	insurance_pre.csv	No	100	criterion="poisson",splitter="random",max_features="auto"	0.6640707
20	DT		NI -	100		0 6252000
29	DT	insurance_pre.csv	No	100	criterion="poisson",splitter="best",max_features="sqrt"	0.6352998
30	DT	incurance pro ccy	No	100	criterion="poisson",splitter="random",max_features="sqrt"	0.7403762
30	וטו	insurance_pre.csv	NO	100	criterion- poisson ,spiriter- random ,max_reatures- sqrt	0.7403702
31	DT	insurance_pre.csv	No	100	criterion="poisson",splitter="best",max_features="log2"	0.580818
- 51		misurance_preiesv		100	onteriori poisson japineer sest jiriax_reatares 1882	0.000010
32	DT	insurance_pre.csv	No	100	criterion="poisson",splitter="random",max_features="log2"	0.7249051
33	RF	insurance_pre.csv	No	100		0.8710098
34	RF	insurance_pre.csv	No	100	criterion='squared_error', max_features = 'log2'	0.8695051
35	RF	insurance_pre.csv	No	100	criterion='squared_error', max_features = None	0.8514035
36	RF	insurance_pre.csv	No	100	criterion='absolute_error', max_features = 'sqrt'	0.8737373
37	RF	insurance_pre.csv	No	100	criterion='absolute_error', max_features = 'log2'	0.8741378
38	RF	insurance_pre.csv	No	100	criterion='absolute_error', max_features = None	0.8560974
39	RF	insurance_pre.csv	No	100	criterion='friedman_mse', max_features = 'sqrt'	0.8716169
40	RF	insurance_pre.csv	No	100	criterion='friedman_mse', max_features = 'log2'	0.8697104
41	RF	insurance_pre.csv	No	100	criterion='friedman_mse', max_features = None	0.8505454
42	RF	insurance_pre.csv	No	100	<del>                                     </del>	0.8312068
43	RF	insurance_pre.csv	No	100	criterion='poisson', max_features = 'log2'	0.8303582

Best Model