Problem Statement or Requirement:
A client's requirement is, he wants to predict the insurance charges based on the several parameters. The Client has provided the dataset of the same.
As a data scientist, you must develop a model which will predict the insurance charges.

SVM Hypertune parameter - Kernel

R_score	Kernel
-0.0884	Rbf(default)
-0.0642	poly
-0.111	***linear***
-0.089	***sigmoid***

SVM Hypertune parameter - Kernel,C

R_score	Kernel	C
-0.0895	Rbf(default)	0.1
-0.0884		1
-0.0819		10
-0.12480		100
-0.1174		1000
-0.08625	***Poly***	0.1
-0.06429		1
-0.0931		10
-0.0997		100
-0.055		1000
-0.1220	***linear***	0.1
-0.1116		1
-0.0016		10
0.5432		100
0.63403		1000
-0.0897	***sigmoid***	0.1
-0.0899		1
-0.0907		10
-0.118		100
-1.6659		1000

SVM Hypertune parameter - Kernel,C,gamma

R_score	Kernel	C	Gamma
-0.08957	rbf	0.1	scale
-0.0884		1	
-0.0819		10	
-0.124		100	
-0.1174		1000	
0.86298	***Poly***	0.1	auto
0.8654548	**poly**	**1**	
0.86510		10	
0.6490		100	
-17.982		1000	
-0.0897	sigmoid	0.1	scale
-0.0899		1	
-0.09078		10	
-0.11814		100	
-1.665908		1000	

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SVM Hypertune parameter - Kernel

SVM Hypertune parameter - Kernel,c,degree

R_score	Kernel	C	degree
-0.08625	poly	0.1	3
-0.06429		1	
-0.09311		10	
-0.099761		100	
-0.0555		1000	

Decision Tree Parameter (R_score = 0.689962)

DT Hypertune parameter - criterion,splitter

R_score	criterion	splitter
0.6899	*squared_error*	*Best(default param)*
0.74953	*squared_error*	*random*
0.68512	*friedman_mse*	*Best(default param)*
0.6958	*friedman_mse*	*random*
0.65568	*absolute_error*	*Best(default param)*
0.72429	*absolute_error*	*random*
0.7298742	*poisson*	*Best(default param)*
0.709470	*poisson*	*random*

DT Hypertune parameter - criterion,splitter,min_samples_leaf,min_samples_split

R_score	criterion	splitter	min_samples_leaf	min_samples_split
0.69896	*squared_error*	*random*	1	2
0.69179	*friedman_mse*	*Best(default param)*	1	2
0.7156	*absolute_error*	*random*	1	2
0.86766	***poisson***	***Best(default param)***	**0.1**	**0.2**

Random Forest (R_score = 0.8569)

Random Forest Hypertune parameter -

R_score	n_estimators	criterion	min_samples_split
0.85280	50	*squared_error*	2
0.86484	20	*absolute_error*	0.1
0.85578	100	*friedman_mse*	2
0.8715	**40**	**poisson**	**1**