Implementing ML model.

In [15]:
```
import pandas as pd
import numpy as np
from sklearn.linear_model import LinearRegression
from sklearn.model_selection import train_test_split
```

In [16]:
```
data_frame=pd.read_csv('final_data.csv')
data_frame.head()
```

Out[16]:

	FIPS	45.5_objective	Adj.Death_rate	low_death_rate	upper_death_rate	avg_deaths	rec
0	0	1.0	0.615723	0.695157	0.470742	1.000000	
1	21193	1.0	1.000000	1.000000	0.889692	0.244998	
2	21197	1.0	0.999085	0.970622	0.916463	0.164869	
3	2185	1.0	0.997862	0.858874	1.000000	0.047004	
4	21189	1.0	0.977739	0.904597	0.940306	0.090251	

In [17]:
```
y=data_frame['Adj.Death_rate']
x=data_frame.drop(['Adj.Death_rate'],axis=1)
```

In [18]:
```
x_train,x_test,y_train,y_test=train_test_split(x,y,test_size=0.3,ra
```

In [19]:
```
model=LinearRegression()
model.fit(x_train,y_train)
```

Out[19]:
```
LinearRegression()
```

In [20]:
```
model.score(x_test,y_test)
```

Out[20]:
```
0.9997907548516883
```