```python
In [2]: import pandas as pd
        import seaborn as sns
        import matplotlib.pyplot as plt
        import numpy as np
        %matplotlib inline
```

```python
In [8]: from sklearn.datasets import make_regression
        x,y = make_regression(n_samples=1000,n_features=2,noise=2,random_state=42)
```

```python
In [10]: from sklearn.model_selection import train_test_split
         x_train,x_test,y_train,y_test = train_test_split(x,y, test_size=0.33,random_state=42)
```

```python
In [24]: from sklearn.neighbors import KNeighborsRegressor
         regressor=KNeighborsRegressor(n_neighbors=8,algorithm='auto')
         regressor.fit(x_train,y_train)
```

```
Out[24]:  ▼        KNeighborsRegressor      ⊙ ⊙

         KNeighborsRegressor(n_neighbors=8)
```

```python
In [26]: y_pred=regressor.predict(x_test)
```

```python
In [36]: from sklearn.metrics import r2_score,mean_absolute_error,mean_squared_error
```

```python
In [40]: print(r2_score(y_test,y_pred))
         print(mean_absolute_error(y_test,y_pred))
         print(mean_squared_error(y_test,y_pred))
```

```
0.9868263002382894
2.8551529759116443
19.86068079241558
```

```
In [ ]:
```