



The	1.62	0.38
linear	1.6480875717859167	.3836217004253953
model	178591	042539
is:	67	534
Υ =		
The linear model is: Y = 1.6481 + 0.38362)		
+		
0.383		
52X		

Unnamed: 0	1599			
type	1			
fixed acidity	96			
volatile acidity	143			
citric acid	80			
residual sugar	91			
chlorides	153			
free sulfur dioxide	60			
total sulfur dioxide	144			
density	436			
pH	89			
sulphates	96			
alcohol	65			
quality	6			
dtype: int64				
·				

0.553227662264448

(1599, 14)

	Unnamed: 0	type	fixed acidity	volatile acidity	citric acid	residual sugar	chlorides	free sulfur dioxide	total sulfur dioxide	density	рΗ	sulphates	alcohol	quality
		white	7.4	0.700	0.00	1.9	0.076	11.0	34.0	0.9978	3.51	0.56	9.4	5
		white	7.8	0.880	0.00	2.6	0.098	25.0	67.0	0.9968	3.20	0.68	9.8	5
		white	7.8	0.760	0.04	2.3	0.092	15.0	54.0	0.9970	3.26	0.65	9.8	5
		white	11.2	0.280	0.56	1.9	0.075	17.0	60.0	0.9980	3.16	0.58	9.8	6
4	4	white	7.4	0.700	0.00	1.9	0.076	11.0	34.0	0.9978	3.51	0.56	9.4	5
		white	7.4	0.660	0.00	1.8	0.075	13.0	40.0	0.9978	3.51	0.56	9.4	5
		white	7.9	0.600	0.06	1.6	0.069	15.0	59.0	0.9964	3.30	0.46	9.4	5
		white	7.3	0.650	0.00	1.2	0.065	15.0	21.0	0.9946	3.39	0.47	10.0	7
8	8	white	7.8	0.580	0.02	2.0	0.073	9.0	18.0	0.9968	3.36	0.57	9.5	7
		white	7.5	0.500	0.36	6.1	0.071	17.0	102.0	0.9978	3.35	0.80	10.5	5
10	10	white	6.7	0.580	80.0	1.8	0.097	15.0	65.0	0.9959	3.28	0.54	9.2	5
11	11	white	7.5	0.500	0.36	6.1	0.071	17.0	102.0	0.9978	3.35	0.80	10.5	5
12	12	white	5.6	0.615	0.00	1.6	0.089	16.0	59.0	0.9943	3.58	0.52	9.9	5
13	13	white	7.8	0.610	0.29	1.6	0.114	9.0	29.0	0.9974	3.26	1.56	9.1	5
14	14	white	8.9	0.620	0.18	3.8	0.176	52.0	145.0	0.9986	3.16	0.88	9.2	5
15	15	white	8.9	0.620	0.19	3.9	0.170	51.0	148.0	0.9986	3.17	0.93	9.2	5
16	16	white	8.5	0.280	0.56	1.8	0.092	35.0	103.0	0.9969	3.30	0.75	10.5	7
17	17	white	8.1	0.560	0.28	1.7	0.368	16.0	56.0	0.9968	3.11	1.28	9.3	5
18	18	white	7.4	0.590	80.0	4.4	0.086	6.0	29.0	0.9974	3.38	0.50	9.0	4
19	19	white	7.9	0.320	0.51	1.8	0.341	17.0	56.0	0.9969	3.04	1.08	9.2	6

```
Output exceeds the size limi
array([[5],
       [6],
       [6],
[6],
[5],
        [6],
        [5],
        [6],
        [6],
        [5],
        [5],
        [4],
        [7],
        [6],
        [7],
        [7],
        [5],
        [6],
        [5],
       [5],
        [6],
        [6],
       [5],
       [6],
       [6],
       [5],
       [5],
        [6]], dtype=int64)
```

Unnamed: 0	0			
type	0			
fixed acidity	0			
volatile acidity	0			
citric acid	0			
residual sugar	0			
chlorides	0			
free sulfur dioxide	0			
total sulfur dioxide	0			
density	0			
pH	0			
sulphates	0			
alcohol				
quality				
dtype: int64				

```
Unnamed: 0
                         0
type
                         0
fixed acidity
                         0
volatile acidity
                         0
citric acid
                         0
residual sugar
                         0
chlorides
                         0
free sulfur dioxide
                         0
total sulfur dioxide
                         0
density
                         0
                         0
sulphates
                         0
                         0
alcohol
quality
                         0
dtype: int64
```

```
Output exceeds the size lim
array([[5.25413156],
      [6.44335883],
       [6.17482364],
       [5.48430458],
       [5.86792628],
       [5.67611543],
       [5.44594241],
       [5.3308559],
       [5.17740722],
       [6.05973713],
       [5.48430458],
       [5.44594241],
       [5.86792628],
       [5.36921807],
       [5.90628845],
       [5.67611543],
       [6.25154798],
       [6.52008317],
       [5.29249373],
       [5.29249373],
       [5.17740722],
       [5.17740722],
       [6.05973713],
       [5.82956411],
       [5.21576939],
       [5.90628845],
       [6.02137496],
       [5.44594241],
       [5.25413156],
       [6.02137496]])
```