Royal Unversity of Phnom Penh

Lab 8

Name:

Heat Koemnak

Class:

M5

Data:

x	y	Predicted	Residual (ŷ)
11	11.3	6.3821	4.9179
12	15.1	8.3126	6.7874
13	6.6	10.1505	-3.5505
14	12.9	11.8957	1.0043
15	12.1	13.5483	-1.4483
17	18.1	16.5757	1.5243
18	20.9	17.9504	2.9496
19	17.6	19.2325	-1.6325
20	11.0	20.422	-9.422
21	24.6	21.5188	3.0812
24	11.3	24.2535	-12.9535
25	18.4	24.9799	-6.5799
27	16.2	26.1546	-9.9546
28	19.5	26.603	-7.103

x	y	Predicted	Residual (ŷ)
31	35.8	27.3925	8.4075
32	37.1	27.4704	9.6296
33	45.7	27.4557	18.2443
36	34.8	26.8558	7.9442
37	25.6	26.4705	-0.8705
38	26.7	25.9926	0.7074
40	22.0	24.759	-2.759
41	26.0	24.0032	1.9968
44	10.5	21.1802	-10.6802
45	18.6	20.0539	-1.4539
46	21.1	18.835	2.265
49	11.9	14.6224	-2.7224
50	13.7	13.033	0.667
51	13.7	11.3509	2.3491
54	6.3	5.7489	0.5511
55	1.8	3.6964	-1.8964

Correlation(r):

-0.00

Least-square line:

$\hat{y} = -20.967 + 2.996x - 0.046x^2$

SSResid:

1269.381

SSTo:

2856.010

se:

6.733

r^2:

0.560