

Row	brand	temp	y	x1	x2	x3	x1x2	x1x3
1	super	cold	4	1	1	0	1	0
2	super	cold	5	1	1	0	1	0
3	super	cold	6	1	1	0	1	0
4	super	cold	5	1	1	0	1	0
5	super	warm	7	1	0	1	0	1
6	super	warm	9	1	0	1	0	1
7	super	warm	8	1	0	1	0	1
8	super	warm	12	1	0	1	0	1
9	super	hot	10	1	-1	-1	-1	-1
10	super	hot	12	1	-1	-1	-1	-1
11	super	hot	11	1	-1	-1	-1	-1
12	super	hot	9	1	-1	-1	-1	-1
13	best	cold	6	-1	1	0	-1	0
14	best	cold	6	-1	1	0	-1	0
15	best	cold	4	-1	1	0	-1	0
16	best	cold	4	-1	1	0	-1	0
17	best	warm	13	-1	0	1	0	-1
18	best	warm	15	-1	0	1	0	-1
19	best	warm	12	-1	0	1	0	-1
20	best	warm	12	-1	0	1	0	-1
21	best	hot	12	-1	-1	-1	1	1
22	best	hot	13	-1	-1	-1	1	1
23	best	hot	10	-1	-1	-1	1	1
24	best	hot	13	-1	-1	-1	1	1

Regression Analysis: y versus x1, x2, x3, x1x2, x1x3

Source	DF	SS	MS	F	P
Regression	5	236.833	47.367	23.04	0.000
Residual Error	18	37.000	2.056		
Total	23	273.833			

Regression Analysis: y versus x1, x2, x3

Source	DF	SS	MS	F	P
Regression	3	220.500	73.500	27.56	0.000
Residual Error	20	53.333	2.667		
Total	23	273.833			

Regression Analysis: y versus x1x2, x1x3

Source	DF	SS	MS	F	P
Regression	2	16.33	8.17	0.67	0.524
Residual Error	21	257.50	12.26		
Total	23	273.83			

Row	brand	temp	y	x1	x2	x3	x1x2	x1x3
1	super	cold	4	1	1	0	1	0
2	super	cold	5	1	1	0	1	0
3	super	cold	6	1	1	0	1	0
4	super	cold	5	1	1	0	1	0
5	super	warm	7	1	0	1	0	1
6	super	warm	9	1	0	1	0	1
7	super	warm	8	1	0	1	0	1
8	super	warm	12	1	0	1	0	1
9	super	hot	10	1	-1	-1	-1	-1
10	super	hot	12	1	-1	-1	-1	-1
11	super	hot	11	1	-1	-1	-1	-1
12	super	hot	9	1	-1	-1	-1	-1
13	best	cold	6	-1	1	0	-1	0
14	best	cold	6	-1	1	0	-1	0
15	best	cold	4	-1	1	0	-1	0
16	best	cold	4	-1	1	0	-1	0
17	best	warm	13	-1	0	1	0	-1
18	best	warm	15	-1	0	1	0	-1
19	best	warm	12	-1	0	1	0	-1
20	best	warm	12	-1	0	1	0	-1
21	best	hot	12	-1	-1	-1	1	1
22	best	hot	13	-1	-1	-1	1	1
23	best	hot	10	-1	-1	-1	1	1
24	best	hot	13	-1	-1	-1	1	1

Regression Analysis: y versus x1, x2, x3, x1x2, x1x3

Source	DF	SS	MS	F	P
Regression	5	222.159	44.432	21.18	0.000
Residual Error	17	35.667	2.098		
Total	22	257.826			

Regression Analysis: y versus x1, x2, x3

Source	DF	SS	MS	F	P
Regression	3	205.326	68.442	24.77	0.000
Residual Error	19	52.500	2.763		
Total	22	257.826			

Regression Analysis: y versus x1x2, x1x3

Source	DF	SS	MS	F	P
Regression	2	19.38	9.69	0.81	0.458
Residual Error	20	238.44	11.92		
Total	22	257.83			