

Contrast Codes

DATA	Write	AorB	MulChoice
Hand	11	16	18
	15	14	19
	13	15	17
Calc	10	18	23
	14	19	19
	12	23	24

MODEL			
b0		1	1
16.67		1	1
b1 CALCHAND		- 1/2	- 1/2
2.67		1/2	1/2
b2 WRTCHOIC		2/3	- 1/3
-6.25		2/3	- 1/3
b3 ABMULT		0	1/2
-2.5		0	1/2
b4 INTER1		- 1/3	1/6
-5.5		1/3	- 1/6
b5 INTER2		0	- 1/4
1.0		0	1/4

Complete Decomposition

DATA	Write	AorB	MulChoic	SS
			e	
Hand	11	16	18	286.00
	15	14	19	
	13	15	17	
Calc	10	18	23	
	14	19	19	
	12	23	24	

MODEL				
b0	16.67	16.67	16.67	
	16.67	16.67	16.67	
b1 CALCHAND	-1.3333	-1.3333	-1.3333	32.00
	1.3333	1.3333	1.3333	
b2 WRTCHOIC	-4.17	2.08	2.08	156.25
	-4.17	2.08	2.08	
b3 ABMULT	0	-1.25	1.25	18.75
	0	-1.25	1.25	
b4 INTER1	1.8334	-0.9167	-0.9167	30.25
	-1.8334	0.9167	0.9167	
b5 INTER2	0	-0.25	0.25	0.75
	0	0.25	-0.25	

Yhat	13	15	18	238.00
	12	20	22	

ERROR	-2	1	0	48.00
	2	-1	1	
	0	0	-1	
	-2	-2	1	
	2	-1	-3	
	0	3	2	

2-Way ANOVA Decomposition

DATA	Write	AorB	MulChoic e	SS
Hand	11	16	18	286.00
	15	14	19	
	13	15	17	
Calc	10	18	23	
	14	19	19	
	12	23	24	

MODEL				
Grand Mean	16.67	16.67	16.67	
	16.67	16.67	16.67	
Main Effect: Calculator	-1.3333	-1.3333	-1.3333	32.00
	1.3333	1.3333	1.3333	
Main Effect: Problem Type	-4.17	0.83	3.33	175.00
	-4.17	0.83	3.33	
Interaction: Calc x Type	1.8334	-1.1667	-0.6667	31.00
	-1.8334	1.1667	0.6667	

Yhat	13	15	18	238.00
	12	20	22	

ERROR	-2	1	0	48.00
	2	-1	1	
	0	0	-1	
	-2	-2	1	
	2	-1	-3	
	0	3	2	

1-Way Decomposition

DATA	Write	AorB	MulChoic e	SS
Hand	11	16	18	286.00
	15	14	19	
	13	15	17	
Calc	10	18	23	
	14	19	19	
	12	23	24	

MODEL				
Grand Mean	16.67	16.67	16.67	238.00
	16.67	16.67	16.67	
Adjustments	-3.670	-1.670	1.330	
	-4.670	3.330	5.330	

Yhat	13	15	18	238.00
	12	20	22	

ERROR	-2	1	0	48.00
	2	-1	1	
	0	0	-1	
	-2	-2	1	
	2	-1	-3	
	0	3	2	