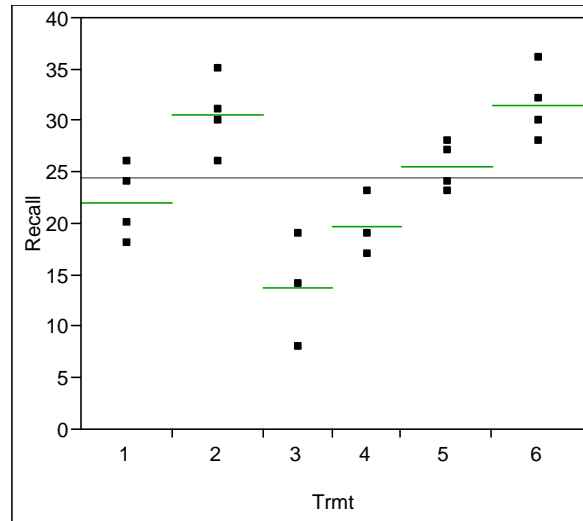


JMP Output for Unbalanced Recall Data

Treatment	Combination
1	None, 20 minutes
2	None, 40 minutes
3	None, 60 minutes
4	Verbal, 20 minutes
5	Verbal, 40 minutes
6	Verbal, 60 minutes



Summary of Fit

Rsquare	0.788398
Adj Rsquare	0.722272
Root Mean Square Error	3.642915
Mean of Response	24.45455
Observations (or Sum Wgts)	22

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio	Prob > F
Trmt	5	791.1212	158.224	11.9227	<.0001
Error	16	212.3333	13.271		
C. Total	21	1003.4545			

Means and Std Deviations

Level	Number	Mean	Std Dev
1	4	22.0000	3.65148
2	4	30.5000	3.69685
3	3	13.6667	5.50757
4	3	19.6667	3.05505
5	4	25.5000	2.38048
6	4	31.5000	3.41565

Means Comparisons

Comparisons for all pairs using Tukey-Kramer HSD

	q*	Alpha					
	3.22215	0.05					
Abs(Dif)-LSD	6	2	5	1	4	3	
6	-8.3000	-7.3000	-2.3000	1.2000	2.8683	8.8683	
2	-7.3000	-8.3000	-3.3000	0.2000	1.8683	7.8683	
5	-2.3000	-3.3000	-8.3000	-4.8000	-3.1317	2.8683	
1	1.2000	0.2000	-4.8000	-8.3000	-6.6317	-0.6317	
4	2.8683	1.8683	-3.1317	-6.6317	-9.5840	-3.5840	
3	8.8683	7.8683	2.8683	-0.6317	-3.5840	-9.5840	

Positive values show pairs of means that are significantly different.

Level		Mean
6	A	31.500000
2	A	30.500000
5	A B	25.500000
1	B C	22.000000
4	B C	19.666667
3	C	13.666667

Levels not connected by same letter are significantly different.

**Response Recall
Summary of Fit**

RSquare	0.788398
RSquare Adj	0.722272
Root Mean Square Error	3.642915
Mean of Response	24.45455
Observations (or Sum Wgts)	22

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	5	791.1212	158.224	11.9227
Error	16	212.3333	13.271	Prob > F
C. Total	21	1003.4545		<.0001

Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	23.805556	0.783831	30.37	<.0001
Reinforce[N]	-1.75	0.783831	-2.23	0.0402
IsoTime[20]	-2.972222	1.122275	-2.65	0.0175
IsoTime[40]	4.1944444	1.080436	3.88	0.0013
Reinforce[N]*IsoTime[20]	2.9166667	1.122275	2.60	0.0194
Reinforce[N]*IsoTime[40]	4.25	1.080436	3.93	0.0012

Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
Reinforce	1	1	66.15000	4.9846	0.0402
IsoTime	2	2	210.50877	7.9313	0.0040
Reinforce*IsoTime	2	2	553.93734	20.8705	<.0001

Effect Details

Reinforce

Least Squares Means Table

Level	Least Sq Mean	Std Error	Mean
N	22.055556	1.1085039	22.8182
V	25.555556	1.1085039	26.0909

IsoTime

Least Squares Means Table

Level	Least Sq Mean	Std Error	Mean
20	20.833333	1.3911613	21.0000
40	28.000000	1.2879651	28.0000
60	22.583333	1.3911613	23.8571

LSMeans Differences Student's t

Alpha=0.050 t=2.11991

LSMean[i] By LSMean[j]

Mean[i]-Mean[j]	20	40	60
Std Err Dif			
Lower CL Dif			
Upper CL Dif			
20	0	-7.1667	-1.75
	0	1.89583	1.9674
	0	-11.186	-5.9207
	0	-3.1477	2.4207
40	7.16667	0	5.41667
	1.89583	0	1.89583
	3.14768	0	1.39768
	11.1857	0	9.43565
60	1.75	-5.4167	0
	1.9674	1.89583	0
	-2.4207	-9.4357	0
	5.9207	-1.3977	0

Level		Least Sq Mean
40	A	28.000000
60	B	22.583333
20	B	20.833333

Levels not connected by same letter are significantly different

Reinforce*IsoTime

Least Squares Means Table

Level	Least Sq Mean	Std Error
N,20	22.000000	1.8214577
N,40	30.500000	1.8214577
N,60	13.666667	2.1032382
V,20	19.666667	2.1032382
V,40	25.500000	1.8214577
V,60	31.500000	1.8214577