JMP output for Recall Experiment

Response Recall
Summary of Fit

RSquare	0.79292
RSquare Adj	0.735398
Root Mean Square Error	3.605551
Mean of Response	24
Observations (or Sum Wgts)	24

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	5	896.0000	179.200	13.7846
Error	18	234.0000	13.000	Prob > F
C. Total	23	1130.0000		<.0001

Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob>|t|
Intercept	24	0.73598	32.61	<.0001
Reinforce[N]	-2	0.73598	-2.72	0.0141
IsoTime[20]	-2.5	1.040833	-2.40	0.0273
IsoTime[40]	4	1.040833	3.84	0.0012
Reinforce[N]*IsoTime[20]	2.5	1.040833	2.40	0.0273
Reinforce[N]*IsoTime[40]	4.5	1.040833	4.32	0.0004

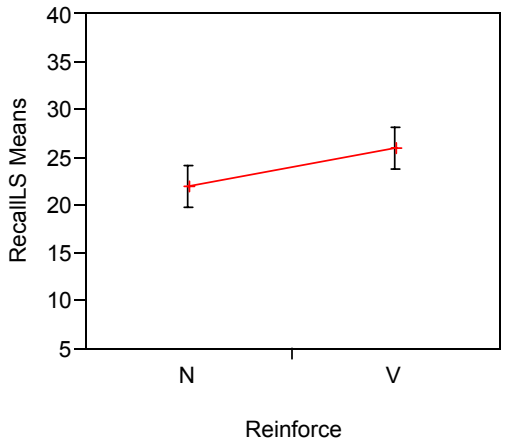
Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
Reinforce	1	1	96.00000	7.3846	0.0141
IsoTime	2	2	196.00000	7.5385	0.0042
Reinforce*IsoTime	2	2	604.00000	23.2308	<.0001

Effect Details
Reinforce
Least Squares Means Table

Level	Least Sq Mean	Std Error	Mean
N	22.000000	1.0408330	22.0000
V	26.000000	1.0408330	26.0000

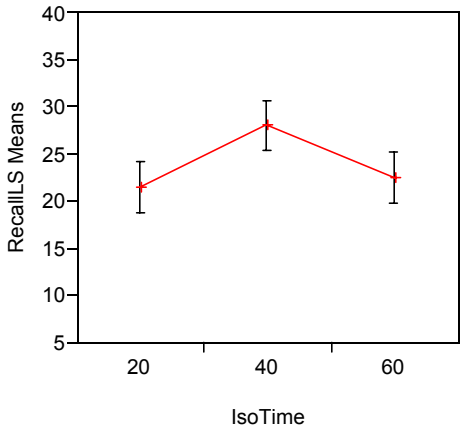
LS Means Plot



IsoTime
Least Squares Means Table

Level	Least Sq Mean	Std Error	Mean
20	21.500000	1.2747549	21.5000
40	28.000000	1.2747549	28.0000
60	22.500000	1.2747549	22.5000

LS Means Plot



LSMeans Differences Student's t

Alpha=0.050 t=2.10092

LSMean[i] By LSMean[j]

Mean[i]-Mean[j] Std Err Dif Lower CL Dif Upper CL Dif	20	40	60
20	0 0 0 0	-6.5 1.80278 -10.287 -2.7125	-1 1.80278 -4.7875 2.78749
40	6.5 1.80278 2.71251 10.2875	0 0 0 0	5.5 1.80278 1.71251 9.28749
60	1 1.80278 -2.7875 4.78749	-5.5 1.80278 -9.2875 -1.7125	0 0 0 0

Level		Least Sq Mean
40	A	28.000000
60	B	22.500000
20	B	21.500000

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	1.8027756
N,40	30.500000	1.8027756
N,60	13.500000	1.8027756
V,20	21.000000	1.8027756
V,40	25.500000	1.8027756
V,60	31.500000	1.8027756

LS Means Plot