

SPSS Output for Unbalanced Recall Data

ANOVA

Recall

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	791.121	5	158.224	11.923	.000
Within Groups	212.333	16	13.271		
Total	1003.455	21			

Multiple Comparisons

Dependent Variable: Recall

Tukey HSD

(I) Treatment	(J) Treatment	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
N,20	N,40	-8.50000(*)	2.57593	.043	-16.8000	-.2000
	N,60	8.33333	2.78232	.076	-.6317	17.2984
	V,20	2.33333	2.78232	.956	-6.6317	11.2984
	V,40	-3.50000	2.57593	.750	-11.8000	4.8000
	V,60	-9.50000(*)	2.57593	.020	-17.8000	-1.2000
N,40	N,20	8.50000(*)	2.57593	.043	.2000	16.8000
	N,60	16.83333(*)	2.78232	.000	7.8683	25.7984
	V,20	10.83333(*)	2.78232	.014	1.8683	19.7984
	V,40	5.00000	2.57593	.415	-3.3000	13.3000
	V,60	-1.00000	2.57593	.999	-9.3000	7.3000
N,60	N,20	-8.33333	2.78232	.076	-17.2984	.6317
	N,40	-16.83333(*)	2.78232	.000	-25.7984	-7.8683
	V,20	-6.00000	2.97443	.375	-15.5841	3.5841
	V,40	-11.83333(*)	2.78232	.007	-20.7984	-2.8683
	V,60	-17.83333(*)	2.78232	.000	-26.7984	-8.8683
V,20	N,20	-2.33333	2.78232	.956	-11.2984	6.6317
	N,40	-10.83333(*)	2.78232	.014	-19.7984	-1.8683
	N,60	6.00000	2.97443	.375	-3.5841	15.5841
	V,40	-5.83333	2.78232	.337	-14.7984	3.1317
	V,60	-11.83333(*)	2.78232	.007	-20.7984	-2.8683
V,40	N,20	3.50000	2.57593	.750	-4.8000	11.8000
	N,40	-5.00000	2.57593	.415	-13.3000	3.3000
	N,60	11.83333(*)	2.78232	.007	2.8683	20.7984
	V,20	5.83333	2.78232	.337	-3.1317	14.7984
	V,60	-6.00000	2.57593	.239	-14.3000	2.3000
V,60	N,20	9.50000(*)	2.57593	.020	1.2000	17.8000
	N,40	1.00000	2.57593	.999	-7.3000	9.3000
	N,60	17.83333(*)	2.78232	.000	8.8683	26.7984
	V,20	11.83333(*)	2.78232	.007	2.8683	20.7984
	V,40	6.00000	2.57593	.239	-2.3000	14.3000

* The mean difference is significant at the .05 level.

Descriptive Statistics

Dependent Variable: Recall

Reinforcement	IsolationTime	Mean	Std. Deviation	N
None	20 minutes	22.0000	3.65148	4
	40 minutes	30.5000	3.69685	4
	60 minutes	13.6667	5.50757	3
	Total	22.8182	7.94756	11
Verbal	20 minutes	19.6667	3.05505	3
	40 minutes	25.5000	2.38048	4
	60 minutes	31.5000	3.41565	4
	Total	26.0909	5.59383	11
Total	20 minutes	21.0000	3.36650	7
	40 minutes	28.0000	3.92792	8
	60 minutes	23.8571	10.33487	7
	Total	24.4545	6.91256	22

Tests of Between-Subjects Effects

Dependent Variable: Recall

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	791.121(a)	5	158.224	11.923	.000
Intercept	12240.817	1	12240.817	922.385	.000
Reinforcement	66.150	1	66.150	4.985	.040
IsolationTime	210.509	2	105.254	7.931	.004
Reinforcement * IsolationTime	553.937	2	276.969	20.870	.000
Error	212.333	16	13.271		
Total	14160.000	22			
Corrected Total	1003.455	21			

(a) R Squared = .788 (Adjusted R Squared = .722)

Multiple Comparisons

Dependent Variable: Recall

LSD

(I) IsolationTime	(J) IsolationTime	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
20 minutes	40 minutes	-7.0000(*)	1.88539	.002	-10.9968	-3.0032
	60 minutes	-2.8571	1.94722	.162	-6.9851	1.2708
40 minutes	20 minutes	7.0000(*)	1.88539	.002	3.0032	10.9968
	60 minutes	4.1429(*)	1.88539	.043	.1460	8.1397
60 minutes	20 minutes	2.8571	1.94722	.162	-1.2708	6.9851
	40 minutes	-4.1429(*)	1.88539	.043	-8.1397	-.1460

Based on observed means.

* The mean difference is significant at the .05 level.