

**The Mixed Procedure**

Model Information	
Data Set	WORK.MICE
Dependent Variable	time
Covariance Structure	Variance Components
Estimation Method	Type 3
Residual Variance Method	Factor
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Class Level Information		
Class	Levels	Values
mouse	12	1 2 3 4 5 6 7 8 9 10 11 12
day	3	1 2 3
treat	3	a b c

Dimensions	
Covariance Parameters	2
Columns in X	7
Columns in Z	12
Subjects	1
Max Obs Per Subject	36

Number of Observations	
Number of Observations Read	36
Number of Observations Used	36
Number of Observations Not Used	0

Type 3 Analysis of Variance								
Source	DF	Sum of Squares	Mean Square	Expected Mean Square	Error Term	Error DF	F Value	Pr > F
day	2	442.166667	221.083333	Var(Residual) + Q(day)	MS(Residual)	20	13.69	0.0002
treat	2	3220.166667	1610.083333	Var(Residual) + Q(treat)	MS(Residual)	20	99.70	<.0001
mouse	11	1428.666667	129.878788	Var(Residual) + 3 Var(mouse)	MS(Residual)	20	8.04	<.0001
Residual	20	323.000000	16.150000	Var(Residual)	.	.	.	.

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Covariance Parameter Estimates				
Cov Parm	Estimate	Alpha	Lower	Upper
mouse	37.9096	0.1	7.4165	68.4027
Residual	16.1500	0.1	10.2832	29.7674

Fit Statistics	
-2 Res Log Likelihood	208.5
AIC (smaller is better)	212.5
AICC (smaller is better)	212.9
BIC (smaller is better)	213.4

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
day	2	20	13.69	0.0002
treat	2	20	99.70	<.0001

Contrasts				
Label	Num DF	Den DF	F Value	Pr > F
control vs. drugs	1	20	149.54	<.0001
drug A vs. B	1	20	49.85	<.0001

Least Squares Means									
Effect	treat	Estimate	Standard Error	DF	t Value	Pr >  t	Alpha	Lower	Upper
treat	a	58.4167	2.1225	20	27.52	<.0001	0.1	54.7560	62.0774
treat	b	70.0000	2.1225	20	32.98	<.0001	0.1	66.3393	73.6607
treat	c	81.5833	2.1225	20	38.44	<.0001	0.1	77.9226	85.2440