

```

proc mixed data=fevluni;
class drug patient hour;
model fevl=drug hour drug*hour;
random patient(drug);
estimate "a-c overall" drug 1 -1 0;
estimate "a-c at hour1" drug 1 -1 0 drug*hour 1 0 0 0 0 0 0 0 0 -1 0 0 0 0 0 0 0;
run;

```

The Mixed Procedure

Covariance Parameter Estimates

Cov Parm	Estimate
PATIENT(DRUG)	0.4403
Residual	0.06313

Fit Statistics

-2 Res Log Likelihood	396.6
AIC (smaller is better)	400.6
AICC (smaller is better)	400.6
BIC (smaller is better)	405.1

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
DRUG	2	69	3.60	0.0327
hour	7	483	38.86	<.0001
DRUG*hour	14	483	7.11	<.0001

Estimates

Label	Estimate	Standard Error	DF	t Value	Pr > t
a-c overall	-0.2037	0.1933	69	-1.05	0.2956
a-c at hour1	-0.1963	0.2048	483	-0.96	0.3385

The Mixed Procedure

Model Information

Data Set	WORK.FEVLUNI
Dependent Variable	fevl
Covariance Structure	Variance Components
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Containment

Class Level Information

Class	Levels	Values
DRUG	3	a c p
PATIENT	24	201 202 203 204 205 206 207 208 209 210 211 212 214 215 216 217 218 219 220 221 222 223 224 232
hour	8	1 2 3 4 5 6 7 8

Dimensions

Covariance Parameters	2
Columns in X	36
Columns in Z	72
Subjects	1
Max Obs Per Subject	576

Number of Observations

Number of Observations Read	576
Number of Observations Used	576
Number of Observations Not Used	0

Iteration History

Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	1263.95663130	
1	1	396.55067972	0.00000000

Convergence criteria met.