

**The Mixed Procedure**

<i>Model Information</i>	
<i>Data Set</i>	WORK.FAT
<i>Dependent Variable</i>	pbf
<i>Covariance Structure</i>	Unstructured
<i>Subject Effect</i>	id
<i>Estimation Method</i>	REML
<i>Residual Variance Method</i>	Profile
<i>Fixed Effects SE Method</i>	Model-Based
<i>Degrees of Freedom Method</i>	Containment

<i>Class Level Information</i>		
<i>Class</i>	<i>Levels</i>	<i>Values</i>
<i>id</i>	160	not printed

<i>Dimensions</i>	
<i>Covariance Parameters</i>	7
<i>Columns in X</i>	3
<i>Columns in Z per Subject</i>	3
<i>Subjects</i>	160
<i>Max Obs per Subject</i>	10

<i>Number of Observations</i>	
<i>Number of Observations Read</i>	1039
<i>Number of Observations Used</i>	1039
<i>Number of Observations Not Used</i>	0

<i>Iteration History</i>			
<i>Iteration</i>	<i>Evaluations</i>	<i>-2 Res Log Like</i>	<i>Criterion</i>
0	1	7003.13205453	
1	2	6002.77164848	0.00050121
2	1	6001.62252383	0.00002240
3	1	6001.57510642	0.00000006
4	1	6001.57497770	0.00000000

Convergence criteria met.

<i>Estimated G Matrix</i>					
<i>Row</i>	<i>Effect</i>	<i>Subject ID</i>	<i>Col1</i>	<i>Col2</i>	<i>Col3</i>
1	Intercept	1	45.9102	-3.6610	2.5686
2	time_0	1	-3.6610	0.9012	-0.1171
3	time_0n	1	2.5686	-0.1171	1.6508

**The Mixed Procedure**

Estimated V Matrix for id 14								
Row	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8
1	59.8061	46.4139	42.9753	39.2377	35.5840	28.8997	25.9432	23.0188
2	46.4139	53.7373	42.4783	40.4906	38.2868	31.3443	28.2736	25.2362
3	42.9753	42.4783	51.4772	41.5779	40.6327	33.4660	30.2962	27.1607
4	39.2377	40.4906	41.5779	52.1902	43.1826	35.7723	32.4946	29.2526
5	35.5840	38.2868	40.6327	43.1826	54.1921	37.4467	34.2112	31.0109
6	28.8997	31.3443	33.4660	35.7723	37.4467	43.4610	32.5196	31.0251
7	25.9432	28.2736	30.2962	32.4946	34.2112	32.5196	41.2018	31.0313
8	23.0188	25.2362	27.1607	29.2526	31.0109	31.0251	31.0313	40.4679

Estimated V Correlation Matrix for id 14								
Row	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8
1	1.0000	0.8187	0.7745	0.7023	0.6250	0.5669	0.5226	0.4679
2	0.8187	1.0000	0.8076	0.7646	0.7095	0.6486	0.6009	0.5412
3	0.7745	0.8076	1.0000	0.8022	0.7693	0.7075	0.6578	0.5951
4	0.7023	0.7646	0.8022	1.0000	0.8120	0.7511	0.7007	0.6365
5	0.6250	0.7095	0.7693	0.8120	1.0000	0.7716	0.7240	0.6622
6	0.5669	0.6486	0.7075	0.7511	0.7716	1.0000	0.7685	0.7398
7	0.5226	0.6009	0.6578	0.7007	0.7240	0.7685	1.0000	0.7600
8	0.4679	0.5412	0.5951	0.6365	0.6622	0.7398	0.7600	1.0000

Covariance Parameter Estimates					
Cov Parm	Subject	Estimate	Standard Error	Z Value	Pr > Z
UN(1,1)	id	45.9102	5.7657	7.96	<.0001
UN(2,1)	id	-3.6610	1.0000	-3.66	0.0003
UN(2,2)	id	0.9012	0.2721	3.31	0.0005
UN(3,1)	id	2.5686	1.2245	2.10	0.0359
UN(3,2)	id	-0.1171	0.2629	-0.45	0.6559
UN(3,3)	id	1.6508	0.4368	3.78	<.0001
Residual		9.4304	0.5444	17.32	<.0001

Fit Statistics	
-2 Res Log Likelihood	6001.6
AIC (Smaller is Better)	6015.6
AICC (Smaller is Better)	6015.7
BIC (Smaller is Better)	6037.1

Null Model Likelihood Ratio Test		
DF	Chi-Square	Pr > ChiSq
6	1001.56	<.0001

**The Mixed Procedure***Solution for Fixed Effects*

<i>Effect</i>	<i>Estimate</i>	<i>Standard Error</i>	<i>DF</i>	<i>t Value</i>	<i>Pr &gt;  t </i>
<i>Intercept</i>	21.3965	0.5676	159	37.70	<.0001
<i>time_0</i>	2.4777	0.1205	157	20.56	<.0001
<i>time_0n</i>	0.4072	0.1579	160	2.58	0.0108

*Type 3 Tests of Fixed Effects*

<i>Effect</i>	<i>Num DF</i>	<i>Den DF</i>	<i>F Value</i>	<i>Pr &gt; F</i>
<i>time_0</i>	1	157	422.65	<.0001
<i>time_0n</i>	1	160	6.65	0.0108

<i>Obs</i>	<i>id</i>	<i>time</i>	<i>pbf</i>	<i>pred_p</i>	<i>StdErrPred_p</i>	<i>pred_pm</i>	<i>StdErrPred_pm</i>
1	14	-3.82	7.21	6.5013	2.06769	19.8411	0.66662
2	14	-2.76	5.51	8.1739	1.52600	20.2727	0.58099
3	14	-1.84	7.07	9.6255	1.28465	20.6473	0.53872
4	14	-0.84	9.01	11.2034	1.40671	21.0545	0.53540
5	14	0.16	17.95	12.9201	1.70171	21.7929	0.55773
6	14	2.24	22.27	18.0065	1.32668	26.9466	0.48383
7	14	3.16	18.80	20.2563	1.50203	29.2261	0.49004
8	14	4.07	17.86	22.4816	1.83005	31.4808	0.51991

