BASELINE

The Mixed Procedure

Model Information				
Data Set	WORK.DD8_HAND1			
Dependent Variable	AREA			
Covariance Structures	Unstructured, Autoregressive			
Subject Effects	ID, ID			
Estimation Method	REML			
Residual Variance Method	Profile			
Fixed Effects SE Method	Model-Based			
Degrees of Freedom Method	Satterthwaite			

	Class Level Information					
Class	Levels	Values				
ID	103	2 3 7 12 14 20 26 27 28 30 33 34 35 36 40 41 42 44 46 47 48 50 51 52 53 57 58 59 62 63 64 67 70 71 72 73 79 82 84 88 93 94 95 96 102 103 104 108 109 115 116 120 124 125 127 130 131 132 134 136 138 140 143 145 149 151 157 158 159 170 172 173 178 180 182 185 188 189 193 196 197 208 212 213 216 220 224 226 229 230 231 232 233 235 237 240 241 243 249 250 251 254 256				
SEX	2	10				
FU	12	1 2 3 4 5 6 7 8 9 10 11 0				
CAGE	4	1230				
SMOKE	2	10				
ALC	2	10				
INJ	2	10				
REL	2	10				
DIA	2	10				
EPI	2	10				
LIV	2	10				

Dimensions				
Covariance Parameters	5			
Columns in X	8			
Columns in Z per Subject	2			
Subjects	103			
Max Obs per Subject	12			

Number of Observations			
Number of Observations Read	1014		
Number of Observations Used	1014		
Number of Observations Not Used	0		

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Iteration History							
Iteration	Evaluations	-2 Res Log Like	Criterion				
0	1	5058.49469764					
1	3	3041.36917083	0.15550007				
2	1	3023.76028976	0.01665434				
3	1	3014.86649917	0.00028867				
4	1	3014.69855579	0.00000031				
5	1	3014.69837283	0.00000000				

Convergence criteria met.

	Estimated R Correlation Matrix for ID 2									
Row	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8	Col9	Col10
1	1.0000	0.000937	0.001767	0.003330	0.006277	0.01183	0.02230	0.04203	0.07922	0.1493
2	0.000937	1.0000	0.5305	0.2815	0.1493	0.07922	0.04203	0.02230	0.01183	0.006277
3	0.001767	0.5305	1.0000	0.5305	0.2815	0.1493	0.07922	0.04203	0.02230	0.01183
4	0.003330	0.2815	0.5305	1.0000	0.5305	0.2815	0.1493	0.07922	0.04203	0.02230
5	0.006277	0.1493	0.2815	0.5305	1.0000	0.5305	0.2815	0.1493	0.07922	0.04203
6	0.01183	0.07922	0.1493	0.2815	0.5305	1.0000	0.5305	0.2815	0.1493	0.07922
7	0.02230	0.04203	0.07922	0.1493	0.2815	0.5305	1.0000	0.5305	0.2815	0.1493
8	0.04203	0.02230	0.04203	0.07922	0.1493	0.2815	0.5305	1.0000	0.5305	0.2815
9	0.07922	0.01183	0.02230	0.04203	0.07922	0.1493	0.2815	0.5305	1.0000	0.5305
10	0.1493	0.006277	0.01183	0.02230	0.04203	0.07922	0.1493	0.2815	0.5305	1.0000

	Estimated G Matrix							
Row	Effect	ID	Col1	Col2				
1	Intercept	2	4.7191	0.007100				
2	MONTH	2	0.007100	0.002742				

	Estimated V Matrix for ID 2									
Row	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8	Col9	Col10
1	5.5950	4.7608	4.8040	4.8495	4.8946	4.9403	4.9954	5.0498	5.1249	5.2306
2	4.7608	5.7675	5.4931	5.4171	5.4382	5.5084	5.6240	5.7263	5.8540	5.9920
3	4.8040	5.4931	6.1393	5.9722	5.9891	6.0993	6.2923	6.4651	6.6828	6.9190
4	4.8495	5.4171	5.9722	6.7333	6.6591	6.7649	7.0139	7.2469	7.5513	7.8858
5	4.8946	5.4382	5.9891	6.6591	7.5054	7.5126	7.7654	8.0298	8.4035	8.8252
6	4.9403	5.5084	6.0993	6.7649	7.5126	8.4329	8.5949	8.8393	9.2531	9.7444

The Mixed Procedure

	Estimated V Matrix for ID 2									
Row	Col1	Col2	Col3	Col4	Col5	Col6	Col7	Col8	Col9	Col10
7	4.9954	5.6240	6.2923	7.0139	7.7654	8.5949	9.6942	9.8384	10.2560	10.8040
8	5.0498	5.7263	6.4651	7.2469	8.0298	8.8393	9.8384	10.8799	11.1902	11.7253
9	5.1249	5.8540	6.6828	7.5513	8.4035	9.2531	10.2560	11.1902	12.4211	12.8656
10	5.2306	5.9920	6.9190	7.8858	8.8252	9.7444	10.8040	11.7253	12.8656	14.2394

Covariance Parameter Estimates					
Cov Parm Subject Estimate					
UN(1,1)	ID	4.7191			
UN(2,1)	ID	0.007100			
UN(2,2)	ID	0.002742			
AR(1)	ID	0.5305			
Residual		0.8759			

Fit Statistics				
-2 Res Log Likelihood	3014.7			
AIC (Smaller is Better)	3024.7			
AICC (Smaller is Better)	3024.8			
BIC (Smaller is Better)	3037.9			

Nu	Null Model Likelihood Ratio Test				
DF	Chi-Square	Pr > ChiSq			
4	2043.80	<.0001			

Solution for Fixed Effects							
Effect	SEX	CAGE	Estimate	Standard Error	DF	t Value	Pr > t
Intercept			3.0287	0.4439	98	6.82	<.0001
CAGE		1	-0.3835	0.6252	98.1	-0.61	0.5410
CAGE		2	-0.6695	0.5972	98	-1.12	0.2650
CAGE		3	-0.3134	0.6326	98	-0.50	0.6214
CAGE		0	0				
MONTH			0.04383	0.005531	104	7.92	<.0001
SEX	1		-1.3307	0.4577	98.1	-2.91	0.0045
SEX	0		0				

The Mixed Procedure

Type 3 Tests of Fixed Effects						
Effect Num Den DF F Value Pr						
CAGE	3	98	0.42	0.7359		
MONTH	1	104	62.79	<.0001		
SEX	1	98.1	8.45	0.0045		

The UNIVARIATE Procedure Variable: Resid (Residual)

Moments						
N	1014	Sum Weights	1014			
Mean	-0.0054704	Sum Observations	-5.5469776			
Std Deviation	0.75728394	Variance	0.57347896			
Skewness	1.07437784	Kurtosis	11.249035			
Uncorrected SS	580.964529	Corrected SS	580.934185			
Coeff Variation	-13843.321	Std Error Mean	0.02378153			

Basic Statistical Measures						
Loc	Location Variability					
Mean	-0.00547	Std Deviation	0.75728			
Median	-0.06345	Variance	0.57348			
Mode		Range	10.87969			
		Interquartile Range	0.60222			

Tests for Location: Mu0=0						
Test	Statistic p Value					
Student's t	t -0.23003		Pr > t	0.8181		
Sign	M -82		Pr >= M	<.0001		
Signed Rank	s	-23130.5	Pr >= S	0.0131		

Tests for Normality						
Test	Statistic p Value					
Shapiro-Wilk	W 0.888891 Pr < W <		<0.0001			
Kolmogorov-Smirnov	D	0.112602	Pr > D	<0.0100		
Cramer-von Mises	W-Sq	5.527208	Pr > W-Sq	<0.0050		
Anderson-Darling	A-Sq	28.58329	Pr > A-Sq	<0.0050		

Quantiles (Definition 5)			
Level	Quantile		
100% Max	7.3369385		
99%	2.1518513		
95%	1.2906864		
90%	0.8187988		
75% Q3	0.2769824		
50% Median	-0.0634487		
25% Q1	-0.3252368		

The UNIVARIATE Procedure Variable: Resid (Residual)

Quantiles (Definition 5)			
Level Quantile			
10%	-0.7307530		
5%	-1.1279238		
1%	-2.0752063		
0% Min	-3.5427492		

Extreme Observations						
Lowes	st	Highest				
Value	Obs	Value	Obs			
-3.54275	354	2.67477	389			
-2.94470	421	2.90628	758			
-2.93792	387	3.23829	42			
-2.70517	41	3.32901	579			
-2.70061	162	7.33694	425			