

The Mixed Procedure

Model Information	
Data Set	OUTLIB.BEKELMANDATA
Dependent Variable	BMI
Covariance Structure	Unstructured
Subject Effect	PID
Estimation Method	REML
Residual Variance Method	None
Fixed Effects SE Method	Kenward-Roger2
Degrees of Freedom Method	Kenward-Roger2

Class Level Information		
Class	Levels	Values
PID	264	20010 20012 20017 20019 20020 20022 20024 20026 20028 20030 20032 20033 20034 20035 20036 20037 20038 20040 20041 20042 20043 20045 20047 20057 20058 20062 20066 20068 20069 20070 20073 20074 20077 20078 20080 20081 20083 20086 20089 20097 20099 20100 20103 20106 20107 20109 20111 20114 20116 20117 20118 20120 20122 20123 20124 20126 20128 20130 20132 20143 20146 20149 20153 20160 20166 20169 20176 20183 20187 20191 20193 20197 20202 20203 20205 20206 20210 20212 20216 20221 20223 20226 20227 20232 20235 20238 20240 20245 20248 20252 20258 20261 20262 20264 20268 20272 20282 20284 20287 20288 20290 20292 20297 20300 20302 20304 20306 20309 20310 20311 20313 20315 20317 20318 20321 20328 20333 20335 20336 20337 20342 20343 20344 20345 20347 20348 20349 20352 20353 20357 20362 20363 20364 20366 20371 20372 20373 20375 20376 20380 20382 20383 20385 20386 20388 20390 20394 20400 20404 20408 20409 20412 20416 20417 20419 20424 20434 20440 20443 20446 20454 20459 20467 20468 20470 20473 20476 20477 20478 20480 20483 20485 20487 20490 20492 20496 20497 20500 20503 20507 20511 20513 20519 20520 20521 20523 20524 20527 20531 20538 20539 20544 20545 20546 20548 20552 20560 20562 20564 20570 20571 20575 20577 20578 20582 20583 20584 20586 20588 20589 20590 20591 20593 20602 20605 20609 20611 20618 20619 20621 20623 20625 20626 20630 20631 20633 20635 20636 20637 20643 20655 20657 20665 20666 20670 20672 20673 20676 20678 20681 20684 20685 20687 20693 20695 20702 20707 20709 20712 20716 20718 20721 20731 20735 20736 20741 20747 20750 20754 20756 20759 20764 20765 20771
critical_period	4	10_12 12_14 14_16 16_19

Dimensions	
Covariance Parameters	10
Columns in X	17
Columns in Z	0
Subjects	264
Max Obs per Subject	4

Number of Observations	
Number of Observations Read	1056
Number of Observations Used	689
Number of Observations Not Used	367

The Mixed Procedure

Iteration History			
Iteration	Evaluations	-2 Res Log Like	Criterion
0	1	4029.95731836	
1	2	3292.88418468	0.01421820
2	1	3276.82000802	0.00267703
3	1	3273.73564814	0.00015439
4	1	3273.57076345	0.00000093
5	1	3273.56980813	0.00000000

Convergence criteria met.

Estimated R Matrix for PID 20012				
Row	Col1	Col2	Col3	Col4
1	17.9268	17.7962	18.1004	19.4700
2	17.7962	20.4216	21.1279	22.4934
3	18.1004	21.1279	26.1715	27.3982
4	19.4700	22.4934	27.3982	32.1300

Covariance Parameter Estimates					
Cov Parm	Subject	Estimate	Alpha	Lower	Upper
UN(1,1)	PID	17.9268	0.05	15.1344	21.5746
UN(2,1)	PID	17.7962	0.05	14.5255	21.0670
UN(2,2)	PID	20.4216	0.05	17.0890	24.8396
UN(3,1)	PID	18.1004	0.05	14.4100	21.7908
UN(3,2)	PID	21.1279	0.05	16.8573	25.3985
UN(3,3)	PID	26.1715	0.05	21.5651	32.4380
UN(4,1)	PID	19.4700	0.05	15.2964	23.6436
UN(4,2)	PID	22.4934	0.05	17.7016	27.2851
UN(4,3)	PID	27.3982	0.05	21.6292	33.1671
UN(4,4)	PID	32.1300	0.05	26.1604	40.4163

Fit Statistics	
-2 Res Log Likelihood	3273.6
AIC (Smaller is Better)	3293.6
AICC (Smaller is Better)	3293.9
BIC (Smaller is Better)	3329.3

The Mixed Procedure

Null Model Likelihood Ratio Test		
DF	Chi-Square	Pr > ChiSq
9	756.39	<.0001

Solution for Fixed Effects									
Effect	Age range	Estimate	Standard Error	DF	t Value	Pr > t	Alpha	Lower	Upper
Intercept		18.9546	0.5976	253	31.72	<.0001	0.05	17.7778	20.1314
gest_diab*critical_p	10_12	0.9503	0.7341	259	1.29	0.1966	0.05	-0.4953	2.3960
gest_diab*critical_p	12_14	1.7162	0.7862	243	2.18	0.0300	0.05	0.1676	3.2648
gest_diab*critical_p	14_16	1.2995	0.9011	212	1.44	0.1508	0.05	-0.4769	3.0759
gest_diab*critical_p	16_19	1.2864	1.1257	229	1.14	0.2543	0.05	-0.9316	3.5044
non_white*critical_p	10_12	-2.4485	0.5437	255	-4.50	<.0001	0.05	-3.5192	-1.3778
non_white*critical_p	12_14	-1.5359	0.5746	270	-2.67	0.0080	0.05	-2.6672	-0.4046
non_white*critical_p	14_16	-0.7660	0.6399	266	-1.20	0.2323	0.05	-2.0258	0.4938
non_white*critical_p	16_19	-0.3791	0.7068	257	-0.54	0.5922	0.05	-1.7710	1.0129
income_50*critical_p	10_12	1.2276	0.5508	255	2.23	0.0267	0.05	0.1430	2.3123
income_50*critical_p	12_14	1.8373	0.5869	259	3.13	0.0019	0.05	0.6817	2.9930
income_50*critical_p	14_16	2.9111	0.6680	244	4.36	<.0001	0.05	1.5953	4.2270
income_50*critical_p	16_19	3.8700	0.7626	235	5.07	<.0001	0.05	2.3677	5.3724
HEI_poor*critical_pe	10_12	1.8037	0.5509	254	3.27	0.0012	0.05	0.7187	2.8886
HEI_poor*critical_pe	12_14	2.3848	0.5846	264	4.08	<.0001	0.05	1.2336	3.5360
HEI_poor*critical_pe	14_16	3.4741	0.6578	254	5.28	<.0001	0.05	2.1788	4.7695
HEI_poor*critical_pe	16_19	3.8458	0.7340	243	5.24	<.0001	0.05	2.4000	5.2916

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
gest_diab*critical_p	4	176	2.04	0.0908
non_white*critical_p	4	169	12.11	<.0001
income_50*critical_p	4	168	8.01	<.0001
HEI_poor*critical_pe	4	170	8.29	<.0001