tlc011.sas Treatment of Lead Exposed Children (TLC) Trial
EBLUP dataset (predicted subject-specific random effects, b)

15:27 Monday, November 26, 2018   **1**

The CONTENTS Procedure

Data Set Name	WORK.EBLUP	**Observations**	100
Member Type	DATA	**Variables**	7
Engine	V9	**Indexes**	0
Created	11/26/2018 15:28:00	**Observation Length**	64
Last Modified	11/26/2018 15:28:00	**Deleted Observations**	0
Protection		**Compressed**	NO
Data Set Type		**Sorted**	NO
Label	Solution for Random Effects		
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information	
Data Set Page Size	65536
Number of Data Set Pages	1
First Data Page	1
Max Obs per Page	1021
Obs in First Data Page	100
Number of Data Set Repairs	0
ExtendObsCounter	YES
Filename	C:\Users\qaqish\AppData\Local\Temp\SAS Temporary Files_TD5680_BUCCINATOR_\eblup.sas7bdat
Release Created	9.0401M1
Host Created	W32_7PRO

Alphabetic List of Variables and Attributes					
#	Variable	Type	Len	Format	Label
5	DF	Num	8	BEST4.	
1	Effect	Char	9		
3	Estimate	Num	8	D8.4	
7	Probt	Num	8	PVALUE6.4	Pr > |t|
4	StdErrPred	Num	8	D8.4	Std Err Pred
2	id	Num	8	BEST.	
6	tValue	Num	8	7.2	t Value

Obs	id	Effect	Estimate	StdErrPred	tValue	Probt
1	1	Intercept	1.5622	2.5404	0.61	0.5391
2	2	Intercept	0.9862	2.5404	0.39	0.6981
3	3	Intercept	2.6654	2.5404	1.05	0.2949
4	4	Intercept	-0.8934	2.5404	-0.35	0.7253
5	5	Intercept	-7.3195	2.5404	-2.88	0.0042
6	6	Intercept	-6.1639	2.5404	-2.43	0.0158
7	7	Intercept	-2.1032	2.5404	-0.83	0.4084
8	8	Intercept	3.6567	2.5404	1.44	0.1511
9	9	Intercept	-6.1477	2.5404	-2.42	0.0161
10	10	Intercept	4.1442	2.5404	1.63	0.1039
11	11	Intercept	-2.4101	2.5404	-0.95	0.3435
12	12	Intercept	4.8863	2.5404	1.92	0.0554
13	13	Intercept	-2.2476	2.5404	-0.88	0.3770
14	14	Intercept	-1.3249	2.5404	-0.52	0.6024
15	15	Intercept	-3.2587	2.5404	-1.28	0.2006
16	16	Intercept	-3.2768	2.5404	-1.29	0.1981
17	17	Intercept	-2.8796	2.5404	-1.13	0.2579
18	18	Intercept	6.9429	2.5404	2.73	0.0067
19	19	Intercept	7.4141	2.5404	2.92	0.0038
20	20	Intercept	3.0446	2.5404	1.20	0.2317
21	21	Intercept	4.0900	2.5404	1.61	0.1085
22	22	Intercept	2.9182	2.5404	1.15	0.2516
23	23	Intercept	-4.5569	2.5404	-1.79	0.0739
24	24	Intercept	0.8038	2.5404	0.32	0.7519
25	25	Intercept	-1.1805	2.5404	-0.46	0.6425
26	26	Intercept	-5.2250	2.5404	-2.06	0.0406
27	27	Intercept	-3.3653	2.5404	-1.32	0.1863
28	28	Intercept	-3.3490	2.5404	-1.32	0.1884
29	29	Intercept	-3.9611	2.5404	-1.56	0.1200
30	30	Intercept	4.1622	2.5404	1.64	0.1024
31	31	Intercept	2.6112	2.5404	1.03	0.3048
32	32	Intercept	-3.1125	2.5404	-1.23	0.2215
33	33	Intercept	0.3886	2.5404	0.15	0.8785
34	34	Intercept	-1.4351	2.5404	-0.56	0.5726
35	35	Intercept	0.4247	2.5404	0.17	0.8674
36	36	Intercept	2.8821	2.5404	1.13	0.2575
37	37	Intercept	3.8372	2.5404	1.51	0.1320

EBLUP dataset (predicted subject-specific random effects, b)

Obs	id	Effect	Estimate	StdErrPred	tValue	Probt
38	38	Intercept	-4.2518	2.5404	-1.67	0.0952
39	39	Intercept	-1.3249	2.5404	-0.52	0.6024
40	40	Intercept	9.1475	2.5404	3.60	0.0004
41	41	Intercept	-1.9587	2.5404	-0.77	0.4413
42	42	Intercept	-4.6129	2.5404	-1.82	0.0704
43	43	Intercept	-4.1597	2.5404	-1.64	0.1026
44	44	Intercept	2.5210	2.5404	0.99	0.3218
45	45	Intercept	-3.7083	2.5404	-1.46	0.1454
46	46	Intercept	3.9275	2.5404	1.55	0.1232
47	47	Intercept	-0.00867	2.5404	-0.00	0.9973
48	48	Intercept	-0.4763	2.5404	-0.19	0.8514
49	49	Intercept	-1.9930	2.5404	-0.78	0.4334
50	50	Intercept	-4.9018	2.5404	-1.93	0.0546
51	51	Intercept	-4.9560	2.5404	-1.95	0.0520
52	52	Intercept	-3.2226	2.5404	-1.27	0.2056
53	53	Intercept	0.9140	2.5404	0.36	0.7193
54	54	Intercept	10.9892	2.5404	4.33	<.0001
55	55	Intercept	2.3025	2.5404	0.91	0.3655
56	56	Intercept	-1.2365	2.5404	-0.49	0.6268
57	57	Intercept	-2.6972	2.5404	-1.06	0.2892
58	58	Intercept	-4.0893	2.5404	-1.61	0.1085
59	59	Intercept	-0.4962	2.5404	-0.20	0.8453
60	60	Intercept	10.3735	2.5404	4.08	<.0001
61	61	Intercept	4.0720	2.5404	1.60	0.1100
62	62	Intercept	1.1289	2.5404	0.44	0.6571
63	63	Intercept	-2.6990	2.5404	-1.06	0.2889
64	64	Intercept	-5.1889	2.5404	-2.04	0.0420
65	65	Intercept	3.3335	2.5404	1.31	0.1905
66	66	Intercept	11.4225	2.5404	4.50	<.0001
67	67	Intercept	4.2886	2.5404	1.69	0.0924
68	68	Intercept	0.3904	2.5404	0.15	0.8780
69	69	Intercept	1.8348	2.5404	0.72	0.4707
70	70	Intercept	-2.0291	2.5404	-0.80	0.4251
71	71	Intercept	4.0377	2.5404	1.59	0.1130
72	72	Intercept	-1.9569	2.5404	-0.77	0.4417
73	73	Intercept	4.0720	2.5404	1.60	0.1100
74	74	Intercept	-2.9698	2.5404	-1.17	0.2433

tlc011.sas Treatment of Lead Exposed Children (TLC) Trial
EBLUP dataset (predicted subject-specific random effects, b)

15:27 Monday, November 26, 2018   **4**

Obs	id	Effect	Estimate	StdErrPred	tValue	Probt
75	75	Intercept	2.5372	2.5404	1.00	0.3187
76	76	Intercept	-1.4170	2.5404	-0.56	0.5774
77	77	Intercept	-0.6226	2.5404	-0.25	0.8066
78	78	Intercept	-2.3559	2.5404	-0.93	0.3545
79	79	Intercept	-5.4236	2.5404	-2.13	0.0336
80	80	Intercept	-0.4601	2.5404	-0.18	0.8564
81	81	Intercept	1.2011	2.5404	0.47	0.6367
82	82	Intercept	-0.00686	2.5404	-0.00	0.9978
83	83	Intercept	-2.5726	2.5404	-1.01	0.3120
84	84	Intercept	9.1998	2.5404	3.62	0.0003
85	85	Intercept	0.7154	2.5404	0.28	0.7784
86	86	Intercept	1.2372	2.5404	0.49	0.6266
87	87	Intercept	-1.5958	2.5404	-0.63	0.5304
88	88	Intercept	-2.4101	2.5404	-0.95	0.3435
89	89	Intercept	-2.4625	2.5404	-0.97	0.3332
90	90	Intercept	0.6251	2.5404	0.25	0.8058
91	91	Intercept	-5.0625	2.5404	-1.99	0.0472
92	92	Intercept	-1.1101	2.5404	-0.44	0.6625
93	93	Intercept	6.3127	2.5404	2.48	0.0135
94	94	Intercept	-1.9750	2.5404	-0.78	0.4375
95	95	Intercept	1.3834	2.5404	0.54	0.5865
96	96	Intercept	-2.9319	2.5404	-1.15	0.2494
97	97	Intercept	3.2251	2.5404	1.27	0.2052
98	98	Intercept	0.8237	2.5404	0.32	0.7460
99	99	Intercept	-4.1597	2.5404	-1.64	0.1026
100	100	Intercept	-1.7222	2.5404	-0.68	0.4984

tlc011.sas Treatment of Lead Exposed Children (TLC) Trial
EBLUP dataset (predicted subject-specific random effects, b)

15:27 Monday, November 26, 2018   **5**

The MEANS Procedure

Effect=Intercept

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
id		100	50.5000000	29.0114920	1.0000000	100.0000000
Estimate		100	3.837597E-14	3.9736770	-7.3194970	11.4225176
StdErrPred	Std Err Pred	100	2.5404141	0	2.5404141	2.5404141
DF		100	299.0000000	0	299.0000000	299.0000000
tValue	t Value	100	1.510458E-14	1.5641847	-2.8812220	4.4963211
Probt	Pr > |t|	100	0.3430934	0.2831209	9.9019742E-6	0.9978468

The CONTENTS Procedure

Data Set Name	WORK.OUTPM	**Observations**	400
Member Type	DATA	**Variables**	14
Engine	V9	**Indexes**	0
Created	11/26/2018 15:28:00	**Observation Length**	112
Last Modified	11/26/2018 15:28:00	**Deleted Observations**	0
Protection		**Compressed**	NO
Data Set Type		**Sorted**	NO
Label			
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information	
Data Set Page Size	65536
Number of Data Set Pages	1
First Data Page	1
Max Obs per Page	584
Obs in First Data Page	400
Number of Data Set Repairs	0
ExtendObsCounter	YES
Filename	C:\Users\qaqish\AppData\Local\Temp\SAS Temporary Files_TD5680_BUCCINATOR_\outpm.sas7bdat
Release Created	9.0401M1
Host Created	W32_7PRO

Alphabetic List of Variables and Attributes				
#	**Variable**	**Type**	**Len**	**Label**
9	Alpha	Num	8	
8	DF	Num	8	
10	Lower	Num	8	
6	Pred	Num	8	Predicted Mean
12	Resid	Num	8	Residual
14	ScaledDep	Num	8	Scaled Dependent Variable
13	ScaledResid	Num	8	Scaled Residual
7	StdErrPred	Num	8	Std Err Pred
11	Upper	Num	8	
2	group	Char	8	
1	id	Num	8	
3	lead	Num	8	Blood lead level (ug/dL)

The CONTENTS Procedure

Alphabetic List of Variables and Attributes			
#	Variable	Type	Len	Label
4	time	Num	8	Time (week)
5	timefactor	Num	8	

Obs	id	Pred	Resid	StdErrPred	Lower	Upper	ScaledDep	ScaledResid
1	1	25.7647	5.0353	0.85120	24.0896	27.4399	4.11355	0.67249
2	1	25.3637	1.5363	0.81076	23.7682	26.9593	2.14564	-0.06501
3	1	24.1607	1.6393	0.79683	22.5926	25.7289	1.43803	-0.03302
4	1	23.3587	0.4413	0.87712	21.6326	25.0849	0.83882	-0.21244
5	2	20.1872	6.3128	0.85120	18.5121	21.8624	3.53925	0.84311
6	2	19.7862	-4.9862	0.81076	18.1907	21.3818	0.63357	-1.08591
7	2	18.5832	0.9168	0.79683	17.0151	20.1514	1.18580	0.08208
8	2	17.7813	3.2187	0.87712	16.0551	19.5074	1.18076	0.42311
9	3	20.1872	5.6128	0.85120	18.5121	21.8624	3.44576	0.74962
10	3	19.7862	3.2138	0.81076	18.1907	21.3818	1.86516	0.14568
11	3	18.5832	0.5168	0.79683	17.0151	20.1514	0.80412	-0.29960
12	3	17.7813	5.4187	0.87712	16.0551	19.5074	1.27946	0.52181
13	4	25.7647	-1.0647	0.85120	24.0896	27.4399	3.29885	-0.14220
14	4	25.3637	-0.8637	0.81076	23.7682	26.9593	2.14610	-0.06456
15	4	24.1607	-2.1607	0.79683	22.5926	25.7289	1.22630	-0.24476
16	4	23.3587	-0.8587	0.87712	21.6326	25.0849	1.05783	0.00657
17	5	20.1872	0.2128	0.85120	18.5121	21.8624	2.72456	0.02841
18	5	19.7862	-16.9862	0.81076	18.1907	21.3818	-0.76093	-2.48041
19	5	18.5832	-15.3832	0.79683	17.0151	20.1514	-0.50849	-1.61220
20	5	17.7813	-8.3813	0.87712	16.0551	19.5074	0.55643	-0.20122
21	6	20.1872	0.2128	0.85120	18.5121	21.8624	2.72456	0.02841
22	6	19.7862	-14.3862	0.81076	18.1907	21.3818	-0.38313	-2.10261
23	6	18.5832	-14.0832	0.79683	17.0151	20.1514	-0.42287	-1.52659
24	6	17.7813	-5.8813	0.87712	16.0551	19.5074	0.81122	0.05357
25	7	25.7647	2.8353	0.85120	24.0896	27.4399	3.81972	0.37867
26	7	25.3637	-4.5637	0.81076	23.7682	26.9593	1.38520	-0.82545
27	7	24.1607	-4.9607	0.79683	22.5926	25.7289	0.79358	-0.67747
28	7	23.3587	-4.9587	0.87712	21.6326	25.0849	0.51007	-0.54119
29	8	25.7647	7.9353	0.85120	24.0896	27.4399	4.50086	1.05981
30	8	25.3637	6.2363	0.81076	23.7682	26.9593	2.66258	0.45192
31	8	24.1607	4.3393	0.79683	22.5926	25.7289	1.52167	0.05062
32	8	23.3587	1.7413	0.87712	21.6326	25.0849	0.68825	-0.36301
33	9	25.7647	-6.0647	0.85120	24.0896	27.4399	2.63107	-0.80999
34	9	25.3637	-10.4637	0.81076	23.7682	26.9593	1.03736	-1.17329
35	9	24.1607	-8.8607	0.79683	22.5926	25.7289	0.83641	-0.63464
36	9	23.3587	-8.6587	0.87712	21.6326	25.0849	0.57536	-0.47590
37	10	25.7647	5.3353	0.85120	24.0896	27.4399	4.15361	0.71256

Obs	id	Pred	Resid	StdErrPred	Lower	Upper	ScaledDep	ScaledResid
38	10	25.3637	5.8363	0.81076	23.7682	26.9593	2.75329	0.54264
39	10	24.1607	5.0393	0.79683	22.5926	25.7289	1.75614	0.28509
40	10	23.3587	6.7413	0.87712	21.6326	25.0849	1.54346	0.49219
41	11	25.7647	-5.9647	0.85120	24.0896	27.4399	2.64442	-0.79663
42	11	25.3637	-7.8637	0.81076	23.7682	26.9593	1.40944	-0.80121
43	11	24.1607	-3.6607	0.79683	22.5926	25.7289	1.50853	0.03748
44	11	23.3587	4.1413	0.87712	21.6326	25.0849	2.29287	1.24161
45	12	20.1872	4.6128	0.85120	18.5121	21.8624	3.31221	0.61606
46	12	19.7862	3.3138	0.81076	18.1907	21.3818	1.93694	0.21746
47	12	18.5832	6.0168	0.79683	17.0151	20.1514	1.67581	0.57209
48	12	17.7813	13.1187	0.87712	16.0551	19.5074	2.31787	1.56022
49	13	25.7647	-4.3647	0.85120	24.0896	27.4399	2.85811	-0.58294
50	13	25.3637	0.9363	0.81076	23.7682	26.9593	2.59656	0.38590
51	13	24.1607	-4.6607	0.79683	22.5926	25.7289	0.91180	-0.55925
52	13	23.3587	-4.3587	0.87712	21.6326	25.0849	0.65116	-0.40011

tlc011.sas Treatment of Lead Exposed Children (TLC) Trial
OUTP dataset (predicted subject-specific means, X*BETA + Z*b)

15:27 Monday, November 26, 2018   10

The CONTENTS Procedure

Data Set Name	WORK.OUTP	**Observations**	400
Member Type	DATA	**Variables**	12
Engine	V9	**Indexes**	0
Created	11/26/2018 15:28:00	**Observation Length**	96
Last Modified	11/26/2018 15:28:00	**Deleted Observations**	0
Protection		**Compressed**	NO
Data Set Type		**Sorted**	NO
Label			
Data Representation	WINDOWS_32		
Encoding	wlatin1 Western (Windows)		

Engine/Host Dependent Information	
Data Set Page Size	65536
Number of Data Set Pages	1
First Data Page	1
Max Obs per Page	681
Obs in First Data Page	400
Number of Data Set Repairs	0
ExtendObsCounter	YES
Filename	C:\Users\qaqish\AppData\Local\Temp\SAS Temporary Files_TD5680_BUCCINATOR_\outp.sas7bdat
Release Created	9.0401M1
Host Created	W32_7PRO

Alphabetic List of Variables and Attributes				
#	Variable	Type	Len	Label
9	Alpha	Num	8	
8	DF	Num	8	
10	Lower	Num	8	
6	Pred	Num	8	Predicted
12	Resid	Num	8	Residual
7	StdErrPred	Num	8	Std Err Pred
11	Upper	Num	8	
2	group	Char	8	
1	id	Num	8	
3	lead	Num	8	Blood lead level (ug/dL)
4	time	Num	8	Time (week)
5	timefactor	Num	8	

Obs	id	Pred	Resid	StdErrPred	Lower	Upper
1	1	27.3269	3.4731	2.50895	22.3895	32.2644
2	1	26.9259	-0.0259	2.49552	22.0149	31.8369
3	1	25.7229	0.0771	2.49102	20.8208	30.6251
4	1	24.9209	-1.1209	2.51786	19.9660	29.8759
5	2	21.1735	5.3265	2.50895	16.2360	26.1109
6	2	20.7725	-5.9725	2.49552	15.8615	25.6835
7	2	19.5695	-0.0695	2.49102	14.6673	24.4716
8	2	18.7675	2.2325	2.51786	13.8125	23.7224
9	3	22.8527	2.9473	2.50895	17.9152	27.7901
10	3	22.4517	0.5483	2.49552	17.5407	27.3627
11	3	21.2487	-2.1487	2.49102	16.3465	26.1508
12	3	20.4467	2.7533	2.51786	15.4917	25.4016
13	4	24.8713	-0.1713	2.50895	19.9339	29.8088
14	4	24.4703	0.0297	2.49552	19.5593	29.3813
15	4	23.2673	-1.2673	2.49102	18.3652	28.1695
16	4	22.4653	0.0347	2.51786	17.5104	27.4203
17	5	12.8678	7.5322	2.50895	7.9303	17.8052
18	5	12.4668	-9.6668	2.49552	7.5558	17.3778
19	5	11.2638	-8.0638	2.49102	6.3616	16.1659
20	5	10.4618	-1.0618	2.51786	5.5068	15.4167
21	6	14.0233	6.3767	2.50895	9.0859	18.9608
22	6	13.6223	-8.2223	2.49552	8.7113	18.5333
23	6	12.4193	-7.9193	2.49102	7.5172	17.3215
24	6	11.6173	0.2827	2.51786	6.6624	16.5723
25	7	23.6616	4.9384	2.50895	18.7242	28.5990
26	7	23.2606	-2.4606	2.49552	18.3496	28.1716
27	7	22.0576	-2.8576	2.49102	17.1554	26.9598
28	7	21.2556	-2.8556	2.51786	16.3006	26.2106
29	8	29.4214	4.2786	2.50895	24.4840	34.3589
30	8	29.0204	2.5796	2.49552	24.1094	33.9314
31	8	27.8174	0.6826	2.49102	22.9153	32.7196
32	8	27.0154	-1.9154	2.51786	22.0605	31.9704
33	9	19.6171	0.0829	2.50895	14.6797	24.5545
34	9	19.2161	-4.3161	2.49552	14.3051	24.1271
35	9	18.0131	-2.7131	2.49102	13.1109	22.9152
36	9	17.2111	-2.5111	2.51786	12.2561	22.1660
37	10	29.9089	1.1911	2.50895	24.9715	34.8464

Obs	id	Pred	Resid	StdErrPred	Lower	Upper
38	10	29.5079	1.6921	2.49552	24.5969	34.4189
39	10	28.3049	0.8951	2.49102	23.4028	33.2071
40	10	27.5029	2.5971	2.51786	22.5480	32.4579
41	11	23.3546	-3.5546	2.50895	18.4172	28.2921
42	11	22.9536	-5.4536	2.49552	18.0426	27.8647
43	11	21.7506	-1.2506	2.49102	16.8485	26.6528
44	11	20.9486	6.5514	2.51786	15.9937	25.9036
45	12	25.0735	-0.2735	2.50895	20.1361	30.0110
46	12	24.6725	-1.5725	2.49552	19.7615	29.5835
47	12	23.4695	1.1305	2.49102	18.5674	28.3717
48	12	22.6675	8.2325	2.51786	17.7126	27.6225
49	13	23.5172	-2.1172	2.50895	18.5797	28.4546
50	13	23.1162	3.1838	2.49552	18.2052	28.0272
51	13	21.9132	-2.4132	2.49102	17.0110	26.8153
52	13	21.1112	-2.1112	2.51786	16.1562	26.0661
53	14	18.8623	9.0377	2.50895	13.9249	23.7997
54	14	18.4613	-12.1613	2.49552	13.5503	23.3723
55	14	17.2583	1.2417	2.49102	12.3561	22.1605
56	14	16.4563	-0.1563	2.51786	11.5013	21.4113
57	15	22.5060	-1.4060	2.50895	17.5686	27.4435
58	15	22.1050	-1.8050	2.49552	17.1940	27.0160
59	15	20.9020	-2.5020	2.49102	15.9999	25.8042
60	15	20.1000	0.7000	2.51786	15.1451	25.0550
61	16	22.4880	-1.8880	2.50895	17.5505	27.4254
62	16	22.0870	1.8130	2.49552	17.1760	26.9980
63	16	20.8840	-1.8840	2.49102	15.9818	25.7861
64	16	20.0820	-3.0820	2.51786	15.1270	25.0369
65	17	22.8852	1.1148	2.50895	17.9478	27.8226
66	17	22.4842	-5.7842	2.49552	17.5732	27.3952
67	17	21.2812	0.4188	2.49102	16.3790	26.1834
68	17	20.4792	-0.1792	2.51786	15.5242	25.4342
69	18	32.7076	4.8924	2.50895	27.7702	37.6450
70	18	32.3066	1.3934	2.49552	27.3956	37.2176
71	18	31.1036	3.2964	2.49102	26.2014	36.0058
72	18	30.3016	1.0984	2.51786	25.3466	35.2566
73	19	27.6014	7.6986	2.50895	22.6639	32.5388
74	19	27.2004	-1.7004	2.49552	22.2894	32.1114

Obs	id	Pred	Resid	StdErrPred	Lower	Upper
75	19	25.9974	0.3026	2.49102	21.0952	30.8995
76	19	25.1954	5.1046	2.51786	20.2404	30.1503
77	20	23.2318	5.3682	2.50895	18.2944	28.1693
78	20	22.8308	-7.0308	2.49552	17.9198	27.7418
79	20	21.6278	1.2722	2.49102	16.7257	26.5300
80	20	20.8258	5.0742	2.51786	15.8709	25.7808
81	21	29.8548	2.0452	2.50895	24.9173	34.7922
82	21	29.4538	-1.5538	2.49552	24.5428	34.3648
83	21	28.2508	-0.9508	2.49102	23.3486	33.1529
84	21	27.4488	6.7512	2.51786	22.4938	32.4037
85	22	23.1054	6.4946	2.50895	18.1680	28.0429
86	22	22.7044	-6.9044	2.49552	17.7934	27.6154
87	22	21.5014	2.1986	2.49102	16.5993	26.4036
88	22	20.6994	2.7006	2.51786	15.7445	25.6544
89	23	15.6303	5.8697	2.50895	10.6929	20.5677
90	23	15.2293	-8.7293	2.49552	10.3183	20.1403
91	23	14.0263	-6.9263	2.49102	9.1241	18.9285
92	23	13.2243	2.7757	2.51786	8.2693	18.1793
93	24	26.5686	-0.3686	2.50895	21.6312	31.5060
94	24	26.1676	0.6324	2.49552	21.2566	31.0786
95	24	24.9646	0.3354	2.49102	20.0624	29.8668
96	24	24.1626	0.6374	2.51786	19.2076	29.1176
97	25	19.0068	2.7932	2.50895	14.0693	23.9442
98	25	18.6058	-6.6058	2.49552	13.6948	23.5168
99	25	17.4028	-0.6028	2.49102	12.5006	22.3049
100	25	16.6008	2.5992	2.51786	11.6458	21.5557
101	26	14.9622	8.0378	2.50895	10.0248	19.8997
102	26	14.5612	-10.3612	2.49552	9.6502	19.4722
103	26	13.3582	-9.3582	2.49102	8.4561	18.2604
104	26	12.5562	3.6438	2.51786	7.6013	17.5112
105	27	16.8220	5.3780	2.50895	11.8846	21.7594
106	27	16.4210	-4.9210	2.49552	11.5100	21.3320
107	27	15.2180	-5.7180	2.49102	10.3158	20.1202
108	27	14.4160	0.0840	2.51786	9.4610	19.3710
109	28	22.4157	-1.9157	2.50895	17.4783	27.3532
110	28	22.0147	-0.9147	2.49552	17.1037	26.9257
111	28	20.8117	-3.4117	2.49102	15.9096	25.7139

tlc011.sas Treatment of Lead Exposed Children (TLC) Trial
OUTP dataset (predicted subject-specific means, X*BETA + Z*b)

15:27 Monday, November 26, 2018   14

Obs	id	Pred	Resid	StdErrPred	Lower	Upper
112	28	20.0097	1.0903	2.51786	15.0548	24.9647
113	29	16.2261	8.7739	2.50895	11.2887	21.1636
114	29	15.8251	-11.9251	2.49552	10.9141	20.7361
115	29	14.6221	-1.8221	2.49102	9.7200	19.5243
116	29	13.8201	-1.1201	2.51786	8.8652	18.7751
117	30	29.9270	3.3730	2.50895	24.9896	34.8644
118	30	29.5260	-3.3260	2.49552	24.6150	34.4370
119	30	28.3230	5.6770	2.49102	23.4208	33.2252
120	30	27.5210	0.6790	2.51786	22.5660	32.4760
121	31	22.7985	3.2015	2.50895	17.8611	27.7359
122	31	22.3975	-0.9975	2.49552	17.4865	27.3085
123	31	21.1945	-0.1945	2.49102	16.2923	26.0967
124	31	20.3925	2.0075	2.51786	15.4375	25.3475
125	32	17.0748	2.6252	2.50895	12.1373	22.0122
126	32	16.6738	-3.4738	2.49552	11.7628	21.5848
127	32	15.4708	-0.8708	2.49102	10.5686	20.3729
128	32	14.6688	-3.0688	2.51786	9.7138	19.6237
129	33	26.1533	1.7467	2.50895	21.2159	31.0907
130	33	25.7523	-4.1523	2.49552	20.8413	30.6633
131	33	24.5493	-0.9493	2.49102	19.6472	29.4515
132	33	23.7473	3.9527	2.51786	18.7923	28.7023
133	34	24.3297	0.3703	2.50895	19.3922	29.2671
134	34	23.9287	-2.7287	2.49552	19.0177	28.8397
135	34	22.7257	0.1743	2.49102	17.8235	27.6278
136	34	21.9237	-0.0237	2.51786	16.9687	26.8786
137	35	26.1894	2.6106	2.50895	21.2520	31.1269
138	35	25.7884	0.6116	2.49552	20.8774	30.6994
139	35	24.5854	-0.7854	2.49102	19.6833	29.4876
140	35	23.7834	-1.7834	2.51786	18.8285	28.7384
141	36	23.0693	6.5307	2.50895	18.1319	28.0068
142	36	22.6683	-5.1683	2.49552	17.7573	27.5793
143	36	21.4653	-0.4653	2.49102	16.5632	26.3675
144	36	20.6633	3.5367	2.51786	15.7084	25.6183
145	37	29.6020	2.3980	2.50895	24.6646	34.5394
146	37	29.2010	0.9990	2.49552	24.2900	34.1120
147	37	27.9980	2.2020	2.49102	23.0958	32.9001
148	37	27.1960	0.3040	2.51786	22.2410	32.1510

Obs	id	Pred	Resid	StdErrPred	Lower	Upper
149	38	21.5129	0.2871	2.50895	16.5755	26.4504
150	38	21.1119	-1.8119	2.49552	16.2009	26.0229
151	38	19.9089	-3.5089	2.49102	15.0068	24.8111
152	38	19.1069	-1.5069	2.51786	14.1520	24.0619
153	39	18.8623	5.5377	2.50895	13.9249	23.7997
154	39	18.4613	-2.0613	2.49552	13.5503	23.3723
155	39	17.2583	-5.6583	2.49102	12.3561	22.1605
156	39	16.4563	0.1437	2.51786	11.5013	21.4113
157	40	29.3347	4.3653	2.50895	24.3973	34.2722
158	40	28.9337	-14.0337	2.49552	24.0227	33.8447
159	40	27.7307	-13.2307	2.49102	22.8286	32.6329
160	40	26.9287	36.9713	2.51786	21.9738	31.8837
161	41	23.8060	1.0940	2.50895	18.8686	28.7435
162	41	23.4050	-2.5050	2.49552	18.4940	28.3160
163	41	22.2020	-0.0020	2.49102	17.2999	27.1042
164	41	21.4000	-1.6000	2.51786	16.4451	26.3550
165	42	21.1518	-1.3518	2.50895	16.2144	26.0893
166	42	20.7508	-1.8508	2.49552	15.8398	25.6618
167	42	19.5478	-0.6478	2.49102	14.6457	24.4500
168	42	18.7458	-3.2458	2.51786	13.7909	23.7008
169	43	16.0275	10.6725	2.50895	11.0901	20.9650
170	43	15.6265	-9.2265	2.49552	10.7155	20.5375
171	43	14.4235	-9.3235	2.49102	9.5214	19.3257
172	43	13.6215	1.4785	2.51786	8.6666	18.5765
173	44	22.7082	4.0918	2.50895	17.7708	27.6456
174	44	22.3072	-1.9072	2.49552	17.3962	27.2182
175	44	21.1042	-1.8042	2.49102	16.2021	26.0064
176	44	20.3022	3.4978	2.51786	15.3472	25.2572
177	45	16.4789	3.7211	2.50895	11.5415	21.4164
178	45	16.0779	-5.4779	2.49552	11.1669	20.9889
179	45	14.8749	-5.8749	2.49102	9.9728	19.7771
180	45	14.0729	1.9271	2.51786	9.1180	19.0279
181	46	29.6923	5.7077	2.50895	24.7548	34.6297
182	46	29.2913	1.1087	2.49552	24.3803	34.2023
183	46	28.0883	-1.5883	2.49102	23.1861	32.9904
184	46	27.2863	0.8137	2.51786	22.3313	32.2412
185	47	25.7561	-0.4561	2.50895	20.8187	30.6935

Obs	id	Pred	Resid	StdErrPred	Lower	Upper
186	47	25.3551	-1.4551	2.49552	20.4441	30.2661
187	47	24.1521	-1.9521	2.49102	19.2499	29.0542
188	47	23.3501	3.8499	2.51786	18.3951	28.3051
189	48	19.7109	0.4891	2.50895	14.7735	24.6484
190	48	19.3099	-1.8099	2.49552	14.3989	24.2209
191	48	18.1069	-0.7069	2.49102	13.2048	23.0091
192	48	17.3049	1.2951	2.51786	12.3500	22.2599
193	49	18.1942	6.3058	2.50895	13.2568	23.1317
194	49	17.7932	-7.7932	2.49552	12.8822	22.7042
195	49	16.5902	-0.9902	2.49102	11.6881	21.4924
196	49	15.7882	-0.5882	2.51786	10.8333	20.7432
197	50	20.8629	-0.5629	2.50895	15.9255	25.8004
198	50	20.4619	0.5381	2.49552	15.5509	25.3729
199	50	19.2589	-2.5589	2.49102	14.3568	24.1611
200	50	18.4569	-4.9569	2.51786	13.5020	23.4119
201	51	20.8088	-0.4088	2.50895	15.8713	25.7462
202	51	20.4078	-3.2078	2.49552	15.4968	25.3188
203	51	19.2048	-3.3048	2.49102	14.3026	24.1069
204	51	18.4028	-0.7028	2.51786	13.4478	23.3577
205	52	22.5421	1.5579	2.50895	17.6047	27.4796
206	52	22.1411	-2.0411	2.49552	17.2301	27.0521
207	52	20.9381	-3.0381	2.49102	16.0360	25.8403
208	52	20.1361	-1.4361	2.51786	15.1812	25.0911
209	53	21.1012	5.9988	2.50895	16.1638	26.0387
210	53	20.7002	-5.8002	2.49552	15.7892	25.6112
211	53	19.4972	-1.3972	2.49102	14.5951	24.3994
212	53	18.6952	2.6048	2.51786	13.7403	23.6502
213	54	31.1764	3.5236	2.50895	26.2390	36.1139
214	54	30.7754	8.2246	2.49552	25.8644	35.6864
215	54	29.5724	-0.7724	2.49102	24.6703	34.4746
216	54	28.7704	5.9296	2.51786	23.8155	33.7254
217	55	28.0672	0.4328	2.50895	23.1298	33.0047
218	55	27.6662	4.9338	2.49552	22.7552	32.5772
219	55	26.4632	1.0368	2.49102	21.5611	31.3654
220	55	25.6612	-2.8612	2.51786	20.7063	30.6162
221	56	24.5283	2.0717	2.50895	19.5909	29.4657
222	56	24.1273	-1.7273	2.49552	19.2163	29.0383

tlc011.sas Treatment of Lead Exposed Children (TLC) Trial
OUTP dataset (predicted subject-specific means, X*BETA + Z*b)

15:27 Monday, November 26, 2018   17

Obs	id	Pred	Resid	StdErrPred	Lower	Upper
223	56	22.9243	-1.1243	2.49102	18.0221	27.8264
224	56	22.1223	-1.1223	2.51786	17.1673	27.0773
225	57	17.4901	7.0099	2.50895	12.5526	22.4275
226	57	17.0891	-11.9891	2.49552	12.1781	22.0001
227	57	15.8861	-7.6861	2.49102	10.9839	20.7882
228	57	15.0841	8.5159	2.51786	10.1291	20.0390
229	58	21.6755	-1.1755	2.50895	16.7380	26.6129
230	58	21.2745	-3.7745	2.49552	16.3635	26.1855
231	58	20.0715	-0.4715	2.49102	15.1693	24.9736
232	58	19.2695	-0.8695	2.51786	14.3145	24.2244
233	59	25.2686	-0.0686	2.50895	20.3311	30.2060
234	59	24.8676	0.2324	2.49552	19.9566	29.7786
235	59	23.6646	-0.2646	2.49102	18.7624	28.5667
236	59	22.8626	-0.6626	2.51786	17.9076	27.8175
237	60	36.1382	-1.4382	2.50895	31.2008	41.0756
238	60	35.7372	3.7628	2.49552	30.8262	40.6482
239	60	34.5342	4.0658	2.49102	29.6321	39.4364
240	60	33.7322	9.5678	2.51786	28.7773	38.6872
241	61	29.8367	0.4633	2.50895	24.8993	34.7741
242	61	29.4357	-0.0357	2.49552	24.5247	34.3467
243	61	28.2327	4.8673	2.49102	23.3306	33.1349
244	61	27.4307	0.9693	2.51786	22.4757	32.3857
245	62	26.8936	-0.2936	2.50895	21.9562	31.8310
246	62	26.4926	-1.1926	2.49552	21.5816	31.4036
247	62	25.2896	-0.1896	2.49102	20.3874	30.1918
248	62	24.4876	3.4124	2.51786	19.5326	29.4426
249	63	23.0658	-2.3658	2.50895	18.1283	28.0032
250	63	22.6648	-3.3648	2.49552	17.7538	27.5758
251	63	21.4618	0.4382	2.49102	16.5596	26.3639
252	63	20.6598	1.1402	2.51786	15.7048	25.6147
253	64	14.9983	12.7017	2.50895	10.0609	19.9358
254	64	14.5973	-10.5973	2.49552	9.6863	19.5083
255	64	13.3943	-9.1943	2.49102	8.4922	18.2965
256	64	12.5923	-0.8923	2.51786	7.6374	17.5473
257	65	23.5207	0.7793	2.50895	18.5833	28.4582
258	65	23.1197	1.1803	2.49552	18.2087	28.0307
259	65	21.9167	-3.5167	2.49102	17.0146	26.8189

Obs	id	Pred	Resid	StdErrPred	Lower	Upper
260	65	21.1147	6.6853	2.51786	16.1598	26.0697
261	66	31.6098	4.9902	2.50895	26.6723	36.5472
262	66	31.2088	-7.9088	2.49552	26.2978	36.1198
263	66	30.0058	10.3942	2.49102	25.1036	34.9079
264	66	29.2038	10.0962	2.51786	24.2488	34.1587
265	67	30.0534	-1.1534	2.50895	25.1160	34.9908
266	67	29.6524	-0.7524	2.49552	24.7414	34.5634
267	67	28.4494	4.3506	2.49102	23.5472	33.3515
268	67	27.6474	4.1526	2.51786	22.6924	32.6024
269	68	20.5776	13.4224	2.50895	15.6402	25.5150
270	68	20.1766	-9.4766	2.49552	15.2656	25.0876
271	68	18.9736	-6.3736	2.49102	14.0715	23.8758
272	68	18.1716	3.0284	2.51786	13.2166	23.1266
273	69	22.0221	10.5779	2.50895	17.0847	26.9595
274	69	21.6211	-2.6211	2.49552	16.7101	26.5321
275	69	20.4181	-4.1181	2.49102	15.5159	25.3202
276	69	19.6161	-1.0161	2.51786	14.6611	24.5711
277	70	18.1581	11.0419	2.50895	13.2207	23.0956
278	70	17.7571	-8.5571	2.49552	12.8461	22.6681
279	70	16.5541	-8.2541	2.49102	11.6520	21.4563
280	70	15.7521	2.6479	2.51786	10.7972	20.7071
281	71	24.2249	2.1751	2.50895	19.2875	29.1623
282	71	23.8239	-8.5239	2.49552	18.9129	28.7349
283	71	22.6209	1.9791	2.49102	17.7187	27.5231
284	71	21.8189	10.5811	2.51786	16.8639	26.7739
285	72	18.2304	3.5696	2.50895	13.2929	23.1678
286	72	17.8294	-7.2294	2.49552	12.9184	22.7404
287	72	16.6264	-2.2264	2.49102	11.7242	21.5285
288	72	15.8244	2.8756	2.51786	10.8694	20.7793
289	73	29.8367	-2.6367	2.50895	24.8993	34.7741
290	73	29.4357	-0.9357	2.49552	24.5247	34.3467
291	73	28.2327	6.7673	2.49102	23.3306	33.1349
292	73	27.4307	3.0693	2.51786	22.4757	32.3857
293	74	22.7949	-0.3949	2.50895	17.8575	27.7323
294	74	22.3939	-0.3939	2.49552	17.4829	27.3049
295	74	21.1909	-2.0909	2.49102	16.2888	26.0931
296	74	20.3889	-1.6889	2.51786	15.4339	25.3439

tlc011.sas Treatment of Lead Exposed Children (TLC) Trial
OUTP dataset (predicted subject-specific means, X*BETA + Z*b)

15:27 Monday, November 26, 2018 **19**

Obs	id	Pred	Resid	StdErrPred	Lower	Upper
297	75	28.3020	4.1980	2.50895	23.3645	33.2394
298	75	27.9010	-2.8010	2.49552	22.9900	32.8120
299	75	26.6980	1.1020	2.49102	21.7958	31.6001
300	75	25.8960	1.4040	2.51786	20.9410	30.8509
301	76	24.3477	0.5523	2.50895	19.4103	29.2852
302	76	23.9467	-0.3467	2.49552	19.0357	28.8577
303	76	22.7437	-1.5437	2.49102	17.8416	27.6459
304	76	21.9417	-0.8417	2.51786	16.9868	26.8967
305	77	25.1422	-0.5422	2.50895	20.2048	30.0796
306	77	24.7412	0.2588	2.49552	19.8302	29.6522
307	77	23.5382	-1.8382	2.49102	18.6360	28.4403
308	77	22.7362	1.1638	2.51786	17.7812	27.6912
309	78	23.4088	-0.3088	2.50895	18.4714	28.3462
310	78	23.0078	-2.1078	2.49552	18.0968	27.9188
311	78	21.8048	-0.1048	2.49102	16.9027	26.7070
312	78	21.0028	-1.1028	2.51786	16.0478	25.9578
313	79	14.7636	6.3364	2.50895	9.8262	19.7011
314	79	14.3626	-8.7626	2.49552	9.4516	19.2736
315	79	13.1596	-5.8596	2.49102	8.2575	18.0618
316	79	12.3576	-0.0576	2.51786	7.4027	17.3126
317	80	25.3047	0.4953	2.50895	20.3673	30.2421
318	80	24.9037	-3.0037	2.49552	19.9927	29.8147
319	80	23.7007	-0.1007	2.49102	18.7985	28.6028
320	80	22.8987	1.9013	2.51786	17.9437	27.8537
321	81	26.9658	3.0342	2.50895	22.0284	31.9033
322	81	26.5648	1.0352	2.49552	21.6538	31.4758
323	81	25.3618	-1.3618	2.49102	20.4597	30.2640
324	81	24.5598	-0.8598	2.51786	19.6049	29.5148
325	82	20.1804	1.9196	2.50895	15.2430	25.1178
326	82	19.7794	1.2206	2.49552	14.8684	24.6904
327	82	18.5764	-9.9764	2.49102	13.6742	23.4785
328	82	17.7744	6.8256	2.51786	12.8194	22.7294
329	83	23.1921	-3.1921	2.50895	18.2547	28.1296
330	83	22.7911	-0.0911	2.49552	17.8801	27.7021
331	83	21.5881	-0.3881	2.49102	16.6860	26.4903
332	83	20.7861	-0.2861	2.51786	15.8312	25.7411
333	84	34.9646	3.1354	2.50895	30.0272	39.9020

tlc011.sas Treatment of Lead Exposed Children (TLC) Trial
OUTP dataset (predicted subject-specific means, X*BETA + Z*b)

15:27 Monday, November 26, 2018   20

Obs	id	Pred	Resid	StdErrPred	Lower	Upper
334	84	34.5636	6.2364	2.49552	29.6526	39.4746
335	84	33.3606	4.6394	2.49102	28.4584	38.2627
336	84	32.5586	0.1414	2.51786	27.6036	37.5136
337	85	20.9026	7.9974	2.50895	15.9652	25.8401
338	85	20.5016	-8.0016	2.49552	15.5906	25.4126
339	85	19.2986	-2.5986	2.49102	14.3965	24.2008
340	85	18.4966	3.7034	2.51786	13.5417	23.4516
341	86	27.0019	-1.9019	2.50895	22.0645	31.9394
342	86	26.6009	1.4991	2.49552	21.6899	31.5119
343	86	25.3979	2.1021	2.49102	20.4958	30.3001
344	86	24.5959	0.2041	2.51786	19.6410	29.5509
345	87	18.5915	1.2085	2.50895	13.6540	23.5289
346	87	18.1905	-6.5905	2.49552	13.2795	23.1015
347	87	16.9875	-3.9875	2.49102	12.0853	21.8896
348	87	16.1855	6.9145	2.51786	11.2305	21.1404
349	88	23.3546	-1.2546	2.50895	18.4172	28.2921
350	88	22.9536	-1.8536	2.49552	18.0426	27.8647
351	88	21.7506	-0.2506	2.49102	16.8485	26.6528
352	88	20.9486	-0.3486	2.51786	15.9937	25.9036
353	89	17.7248	5.7752	2.50895	12.7874	22.6622
354	89	17.3238	-9.4238	2.49552	12.4128	22.2348
355	89	16.1208	-3.7208	2.49102	11.2186	21.0229
356	89	15.3188	3.5812	2.51786	10.3638	20.2738
357	90	20.8123	8.2877	2.50895	15.8749	25.7498
358	90	20.4113	-3.6113	2.49552	15.5003	25.3223
359	90	19.2083	-4.1083	2.49102	14.3062	24.1105
360	90	18.4063	0.3937	2.51786	13.4514	23.3613
361	91	15.1247	15.1753	2.50895	10.1873	20.0622
362	91	14.7237	-11.2237	2.49552	9.8127	19.6347
363	91	13.5207	-10.5207	2.49102	8.6186	18.4229
364	91	12.7187	-1.2187	2.51786	7.7638	17.6737
365	92	24.6547	0.7453	2.50895	19.7172	29.5921
366	92	24.2537	0.0463	2.49552	19.3427	29.1647
367	92	23.0507	-0.3507	2.49102	18.1485	27.9528
368	92	22.2487	-2.1487	2.51786	17.2937	27.2036
369	93	26.5000	4.1000	2.50895	21.5625	31.4374
370	93	26.0990	2.1010	2.49552	21.1879	31.0100

tlc011.sas Treatment of Lead Exposed Children (TLC) Trial
OUTP dataset (predicted subject-specific means, X*BETA + Z*b)

15:27 Monday, November 26, 2018   21

Obs	id	Pred	Resid	StdErrPred	Lower	Upper
371	93	24.8960	2.1040	2.49102	19.9938	29.7981
372	93	24.0940	1.4060	2.51786	19.1390	29.0489
373	94	18.2123	4.1877	2.50895	13.2749	23.1497
374	94	17.8113	-10.7113	2.49552	12.9003	22.7223
375	94	16.6083	0.5917	2.49102	11.7061	21.5105
376	94	15.8063	2.8937	2.51786	10.8513	20.7613
377	95	21.5707	9.6293	2.50895	16.6333	26.5081
378	95	21.1697	-10.3697	2.49552	16.2587	26.0807
379	95	19.9667	-0.1667	2.49102	15.0645	24.8689
380	95	19.1647	3.0353	2.51786	14.2097	24.1197
381	96	17.2553	14.1447	2.50895	12.3179	22.1928
382	96	16.8543	-12.9543	2.49552	11.9433	21.7653
383	96	15.6513	-8.6513	2.49102	10.7492	20.5535
384	96	14.8493	2.9507	2.51786	9.8944	19.8043
385	97	23.4124	17.6876	2.50895	18.4750	28.3498
386	97	23.0114	-7.9114	2.49552	18.1004	27.9224
387	97	21.8084	-10.9084	2.49102	16.9062	26.7106
388	97	21.0064	6.0936	2.51786	16.0514	25.9614
389	98	21.0110	8.3890	2.50895	16.0735	25.9484
390	98	20.6100	1.4900	2.49552	15.6990	25.5210
391	98	19.4070	5.8930	2.49102	14.5048	24.3091
392	98	18.6050	-14.5050	2.51786	13.6500	23.5599
393	99	16.0275	5.8725	2.50895	11.0901	20.9650
394	99	15.6265	-8.0265	2.49552	10.7155	20.5375
395	99	14.4235	-3.6235	2.49102	9.5214	19.3257
396	99	13.6215	-0.6215	2.51786	8.6666	18.5765
397	100	18.4651	2.2349	2.50895	13.5277	23.4025
398	100	18.0641	-9.9641	2.49552	13.1531	22.9751
399	100	16.8611	8.8389	2.49102	11.9589	21.7632
400	100	16.0591	-3.7591	2.51786	11.1041	21.0140