

SAS Log

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17:05 Friday, January 5, 2001

The SAS System

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NOTE: SAS (r) Proprietary Software Release 6.12 TS055
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***** NOTICE *****
March 27, 2000

sas612 and sas612a now point to the same version of SAS (6.12 TS055).
If your currently using sas612a, please begin using sas612.

Please be advised, NBCS will be removing versions of SAS prior to the current release of SAS 6.12 from all RCI, Eden & LDS systems. This change will take effect on November 1st 1999. If this presents a problem for you or someone in your group, RCI users should contact help@rci.rutgers.edu and Eden users should contact help@eden.rutgers.edu.

NOTE: AUTOEXEC processing beginning; file is /local/sas612a/autoexec.sas.

NOTE: USING LARGE FILE IMPLEMENTATION.

NOTE: SAS initialization used:

real time	0.080 seconds
cpu time	0.071 seconds

NOTE: AUTOEXEC processing completed.

1 libname in '/rci/lds/users/gatta';

NOTE: Libref IN was successfully assigned as follows:

Engine:	V612
Physical Name:	/rci/lds/users/gatta

1

```

2      /*multinomial model for integrated occs*/
3
4      data temp; set in.int901;
5
6      if occ80=5 or occ80=7 or occ80=8 or occ80=14 or occ80=16
7      or occ80=17 or occ80=23 or occ80=25 or occ80=29 or
8      occ80=33 or occ80=34 or occ80=106 or
9      occ80=118 or occ80=126 or occ80=137 or occ80=139
10     or occ80=168 or occ80=169 or occ80=183 or occ80=184
11     or occ80=185 or occ80=188 or occ80=194 or
12     occ80=195 or occ80=254 or occ80=256 or occ80=359 or
13     occ80=363 or occ80=368 or
14     occ80=427 or occ80=434 or occ80=463 or occ80=489 or
15     occ80=667 or occ80=687
16     or occ80=798 or occ80=808 or occ80=285 or occ80=309
17     or occ80=346 or
18     occ80=436 or occ80=067 or occ80=345 or occ80=356 or
19     occ80=444 or occ80=484
20     or occ80=679 or occ80=737 or occ80=774 or occ80=796;
21     /*selecting integrated occs*/
22
23     if 25 <=age<=70; /*selecting only those 25 to 70*/
24
25     integ=.;
26     /*creating integration var: 1=feminizing occs,
27     2=masculinizing, 3=stable*/
28     if occ80=5 or occ80=7 or occ80=8 or occ80=14 or
29     occ80=16 or occ80=17 or occ80=23 or occ80=25
30     or occ80=29 or occ80=33 or occ80=34 or occ80=106
31     or occ80=118 or occ80=126 or occ80=137 or
32     occ80=139 or occ80=168 or occ80=169 or occ80=183
33     or occ80=184 or occ80=185 or occ80=188 or occ80=194
34     or occ80=195 or occ80=254 or occ80=256 or occ80=359
35     or occ80=363 or occ80=368 or occ80=427 or occ80=434
36     or occ80=463 or occ80=489 or occ80=667 or occ80=687
37     or occ80=798 or occ80=808
38     then integ=1;
39
40     else if occ80=285 or occ80=309 or occ80=346 or
41     occ80=436 then integ=2;
42
43     else if occ80=067 or occ80=345 or occ80=356 or

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44     occ80=444 or occ80=484 or occ80=679 or occ80=737
45     or occ80=774 or
46     occ80=796 then integ=3;
47
48     rrace=race; /*1=white, 2=black, 3=other*/
49     if rrace=1 then race=1;
50     else if rrace=2 then race=2;
51     else if 3 <= rrace <=12 then race=3;
52     else race = .;
53
54     rclass = class; /*1=private W&S, 2=govt, 3=SE, 4=unpaid family*/
55     if rclass = 1 then class = 1;
56     else if 2 <= rclass <= 4 then class = 2;
57     else if rclass = 5 or rclass = 6 then class = 3;
58     else if rclass = 7 then class = 4;
59     else class = .;
60
61     rmarital=marital;
62         /*1=married and living with spouse,
63         2=formerly married or separated, 3=never married*/
64     if rmarital = 0 then marital =1;
65     else if rmarital = 1 or rmarital = 2 or rmarital = 3 then marital=2;
66     else if rmarital = 4 then marital = 3;
67     else marital = .;
68
69     rhispan=hispanic; /*1 = Hispanic*/
70     if rhispan = 0 then hispanic = 0;
71     else if 1<= rhispan <=4 then hispanic =1;
72     else hispanic =.;
73
74     rcitizen = citizen; /*1=citizen*/
75     if rcitizen = 0 or rcitizen = 1 or rcitizen =3 then citizen = 1;
76     else if rcitizen =2 then citizen =0;
77     else citizen = .;
78
79     renglish = english; /*1=speaks English not well or not at all*/
80     if renglish = 0 or renglish =1 or renglish = 2 then english = 0;
81     else if renglish = 3 or renglish= 4 then english = 1;
82     else english = .;
83
84     occtype=.;
85         /*creating occupational type var where 1=Executive,

```

```

86      Administrative and Managerial Occupations, 2=Professional
87      Specialty Occupations, 3=Technicians and Related Support,
88      Administrative Support Occupations, including Clerical,
89      4=Sales Occupations, 5=Service Occupations, 6= Farming,
90      Forestry and Fishing Occupations, 7=Precision, Production,
91      Craft, and Repair Occupations, 8=Operators, fabricators,
92      laborers*/
93
94      if 003<=occ80<=037 then occtype=1;
95      else if 043<=occ80<=199 then occtype=2;
96      else if 203<=occ80<=235 then occtype=3;
97      else if 243<=occ80<=285 then occtype=4;
98      else if 303<=occ80<=389 then occtype=3;
99
100     else if 403<=occ80<=469 then occtype=5;
101     else if 473<=occ80<=499 then occtype=6;
102     else if 503<=occ80<=699 then occtype=7;
103     else if 703<=occ80<=859 then occtype=8;
104     else if 864<=occ80<=889 then occtype=8;
105
106         /*creating education dummies*/
107
108     if reduc=0 then E0=1;
109     else E0=0;
110     if reduc=1 then E1=1;
111     else E1=0;
112     if reduc=2 then E2=1;
113     else E2=0;
114     if reduc=3 then E3=1;
115     else E3=0;
116     if reduc=4 then E4=1;
117     else E4=0;
118     if reduc=5 then E5=1;
119     else E5=0;
120     if reduc=6 then E6=1;
121     else E6=0;
122
123         /*creating integration dummies*/
124     if integ=1 then IN1=1;
125     else IN1=0;
126     if integ=2 then IN2=1;
127     else IN2=0;

```

```
127     if integ=3 then IN3=1;
128     else IN3=0;
129
130         /*creating race dummies*/
131     if race=1 then R1=1;
132     else R1=0;
133     if race=2 then R2=1;
134     else R2=0;
135     if race=3 then R3=1;
136     else R3=0;
137
138         /*creating class dummies*/
139     if class=1 then C1=1;
140     else C1=0;
141     if class=2 then C2=1;
142     else C2=0;
143     if class=3 then C3=1;
144     else C3=0;
145     if class=4 then C4=1;
146     else C4=0;
147
148         /*creating industry dummies*/
149     if hodindus=1 then IND1=1;
150     else IND1=0;
151     if hodindus=2 then IND2=1;
152     else IND2=0;
153     if hodindus=3 then IND3=1;
154     else IND3=0;
155     if hodindus=4 then IND4=1;
156     else IND4=0;
157     if hodindus=5 then IND5=1;
158     else IND5=0;
159     if hodindus=6 then IND6=1;
160     else IND6=0;
161     if hodindus=7 then IND7=1;
162     else IND7=0;
163     if hodindus=. then IND8=1;
164     else IND8=0;
165
166         /*creating marital dummies*/
167     if marital = 1 then M1=1;
168     else M1=0;
```

```

169     if marital =2 then M2=1;
170     else M2 =0;
171     if marital=3 then M3=1;
172     else M3=0;
173
174         /*creating occupation type dummies*/
175     if occtype=1 then OT1=1;
176     else OT1=0;
177     if occtype=2 then OT2=1;
178     else OT2=0;
179     if occtype=3 then OT3=1;
180     else OT3=0;
181     if occtype=4 then OT4=1;
182     else OT4=0;
183     if occtype=5 then OT5=1;
184     else OT5=0;
185     if occtype=6 then OT6=1;
186     else OT6=0;
187     if occtype=7 then OT7=1;
188     else OT7=0;
189     if occtype=8 then OT8=1;
190     else OT8=0;
191
192
193     rinteg=.; /*rinteg = 1=masc, 2=stable, 3=feminizing*/
194     if integ = 1 then rinteg = 3;
195     else if integ = 2 then rinteg = 1;
196     else if integ = 3 then rinteg = 2;
197
198     educ3=.; /*creating 3-cat educ, 1=less than hs, 2=hs grad,
199     some coll, 3=at least coll grad*/
200     if 0 <= reduc <= 2 then educ3=1;
201     else if reduc=3 or reduc=4 then educ3=2;
202     else if reduc=5 or reduc=6 then educ3=3;
203
204         /*creating educ3 dummies*/
205     if educ3=1 then E31=1;
206     else E31=0;
207     if educ3=2 then E32=1;
208     else E32=0;
209     if educ3=3 then E33=1;
210     else E33=0;

```

```
211
212     profman = .; /*1=prof & managerial workers*/
213     if occtype=1 or occtype=2 then profman=1;
214     else profman=0;
215
```

NOTE: The data set WORK.TEMP has 519036 observations and 72 variables.

NOTE: DATA statement used:

```
real time      1:18.380
cpu time       1:02.202
```

```
216     proc freq;
217     table reduc educ3 integ rinteg occtype profman;
218
```

NOTE: For table location in print file, see

```
page 1 for REDUC
page 1 for EDUC3
page 1 for INTEG
page 1 for RINTEG
page 1 for OCCTYPE
page 2 for PROFMAN
```

NOTE: The PROCEDURE FREQ printed pages 1-2.

NOTE: PROCEDURE FREQ used:

```
real time      18.160 seconds
cpu time       8.172 seconds
```

```
219     proc catmod; /*selection of vars for multinomial*/
220     direct sex age R2 R3 hispanic citizen english fborn pctpov
221     M2 M3 E31 E32;
222     model rinteg = sex age R2 R3 hispanic citizen english fborn pctpov
223     M2 M3 E31 E32 / noprofile;
224     weight pwgt1;
225
```

NOTE: The default estimation method for this model is maximum-likelihood.

NOTE: At least one W.D format was too small for the number to be printed. The decimal may be shifted by the "BEST" format.

NOTE: The PROCEDURE CATMOD printed pages 3-4.

NOTE: PROCEDURE CATMOD used:

real time 47.120 seconds
cpu time 43.899 seconds

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```
226       proc catmod;   /*selection of vars for multinomial*/  
227        direct sex age R2 R3 hispanic citizen english fborn pctpov  
228        M2 M3 E31 E32 ft profman ind3;  
229        model rinteg = sex age R2 R3 hispanic citizen english fborn pctpov  
230        M2 M3 E31 E32 ft profman ind3/ noprofile;  
231        weight pwgt1;  
232  
233
```

NOTE: The default estimation method for this model is maximum-likelihood.

NOTE: At least one W.D format was too small for the number to be printed. The decimal may be shifted by the "BEST" format.

NOTE: The PROCEDURE CATMOD printed pages 5-8.

NOTE: PROCEDURE CATMOD used:

real time 4:02.800
cpu time 3:59.906

NOTE: The SAS System used:

real time 6:26.610
cpu time 5:54.283

NOTE: SAS Institute Inc., SAS Campus Drive, Cary, NC USA 27513-2414

SAS Listing

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REDUC	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	2904	0.6	2904	0.6
1	16966	3.3	19870	3.8
2	44900	8.7	64770	12.5
3	130205	25.1	194975	37.6
4	144326	27.8	339301	65.4
5	124666	24.0	463967	89.4
6	55069	10.6	519036	100.0

EDUC3	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	64770	12.5	64770	12.5
2	274531	52.9	339301	65.4
3	179735	34.6	519036	100.0

INTEG	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	395541	76.2	395541	76.2
2	60341	11.6	455882	87.8
3	63154	12.2	519036	100.0

RINIEG	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	60341	11.6	60341	11.6
2	63154	12.2	123495	23.8
3	395541	76.2	519036	100.0

OCCTYPE	Frequency	Percent	Cumulative Frequency	Cumulative Percent
1	229750	44.3	229750	44.3
2	58909	11.3	288659	55.6

3	29885	5.8	318544	61.4
4	42805	8.2	361349	69.6
5	92313	17.8	453662	87.4
6	1527	0.3	455189	87.7
7	9187	1.8	464376	89.5
8	54660	10.5	519036	100.0

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PROFMAN	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	230377	44.4	230377	44.4
1	288659	55.6	519036	100.0

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CAIMOD PROCEDURE

Response: RINTEG Response Levels (R)= 3
Weight Variable: FWGT1 Populations (S)= 17735
Data Set: TEMP Total Frequency (N)=1.06E7
Frequency Missing: 5607 Observations (Obs)=518788

MAXIMUM-LIKELIHOOD ANALYSIS

Iteration	Sub Iteration	-2 Log Likelihood	Convergence Criterion	Parameter Estimates						
				1	2	3	4	5	6	7
0	0	23273776	1.0000	0	0	0	0	0	0	0
1	0	12647424	0.4566	-2.5186	-2.5958	0.0876	0.0338	-0.005126	-0.003337	0.5993
2	0	12364479	0.0224	-3.3228	-3.2057	0.2152	0.0348	-0.008632	-0.003329	0.7705
3	0	12330308	0.002764	-3.8446	-3.4178	0.2544	0.0457	-0.009269	-0.003442	0.7966
4	0	12328510	0.000146	-4.0176	-3.4396	0.2584	0.0469	-0.009301	-0.003448	0.7986
5	0	12328498	9.6487E-7	-4.0333	-3.4398	0.2585	0.0469	-0.009301	-0.003448	0.7987
6	0	12328498	5.541E-11	-4.0335	-3.4398	0.2585	0.0469	-0.009301	-0.003448	0.7987

Iteration	Parameter Estimates										
	8	9	10	11	12	13	14	15	16	17	18
0	0	0	0	0	0	0	0	0	0	0	0
1	0.5105	0.4126	0.3133	-0.0389	0.1013	-0.3065	-0.2169	0.7482	0.5694	0.1218	0.0251
2	0.5685	0.5950	0.3826	-0.1614	0.1463	-0.3680	-0.2699	0.7224	0.6580	0.2966	-0.0130

3	0.5823	0.6368	0.4050	-0.1920	0.1321	-0.3861	-0.2868	0.7147	0.6605	0.3363	-0.003417
4	0.5834	0.6417	0.4076	-0.1956	0.1304	-0.3890	-0.2888	0.7130	0.6602	0.3404	-0.002103
5	0.5834	0.6418	0.4076	-0.1957	0.1304	-0.3891	-0.2888	0.7130	0.6602	0.3405	-0.002077
6	0.5834	0.6418	0.4076	-0.1957	0.1304	-0.3891	-0.2888	0.7130	0.6602	0.3405	-0.002077

Iteration	Parameter Estimates									
	19	20	21	22	23	24	25	26	27	28
0	0	0	0	0	0	0	0	0	0	0
1	0.9341	0.5535	0.0364	0.0406	0.2023	0.2010	2.4105	2.2339	0.9796	1.0388
2	1.0329	0.5402	0.0637	0.0560	0.3395	0.2997	3.2747	2.9045	1.8274	1.8185
3	1.0457	0.5533	0.0707	0.0577	0.3817	0.3193	3.7952	3.1254	2.3429	2.0316
4	1.0472	0.5544	0.0712	0.0578	0.3863	0.3213	3.9676	3.1482	2.5151	2.0543
5	1.0472	0.5544	0.0712	0.0578	0.3864	0.3213	3.9834	3.1483	2.5309	2.0545
6	1.0472	0.5544	0.0712	0.0578	0.3864	0.3213	3.9835	3.1483	2.5310	2.0545

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MAXIMUM-LIKELIHOOD ANALYSIS-OF-VARIANCE TABLE

Source	DF	Chi-Square	Prob
INTERCEPT	2	336187.90	0.0000
SEX	2	12734.64	0.0000
AGE	2	8073.87	0.0000
R2	2	78242.55	0.0000
R3	2	24418.79	0.0000
HISPANIC	2	4615.53	0.0000
CITIZEN	2	5396.71	0.0000
ENGLISH	2	15736.63	0.0000
FBORN	2	6038.13	0.0000
PCTPOV	2	69482.95	0.0000
M2	2	875.73	0.0000
M3	2	21786.70	0.0000
E31	2	1026881.05	0.0000
E32	2	585294.25	0.0000
LIKELIHOOD RATIO	35442	1130031.53	0.0000

ANALYSIS OF MAXIMUM-LIKELIHOOD ESTIMATES

Effect	Parameter	Estimate	Standard Error	Chi-Square	Prob
INTERCEPT	1	-4.0335	0.00845	227854.0	0.0000
	2	-3.4398	0.00780	194618.4	0.0000
SEX	3	0.2585	0.00229	12714.16	0.0000

	4	0.0469	0.00210	500.81	0.0000
AGE	5	-0.00930	0.000105	7861.53	0.0000
	6	-0.00345	0.000097	1275.93	0.0000
R2	7	0.7987	0.00312	65642.76	0.0000
	8	0.5834	0.00309	35748.17	0.0000
R3	9	0.6418	0.00427	22579.37	0.0000
	10	0.4076	0.00429	9013.39	0.0000
HISPANIC	11	-0.1957	0.00433	2039.36	0.0000
	12	0.1304	0.00413	997.58	0.0000
CITIZEN	13	-0.3891	0.00562	4790.39	0.0000
	14	-0.2888	0.00585	2436.90	0.0000
ENGLISH	15	0.7130	0.00623	13099.10	0.0000
	16	0.6602	0.00644	10513.67	0.0000
EBORN	17	0.3405	0.00459	5504.15	0.0000
	18	-0.00208	0.00463	0.20	0.6536
ECPVOV	19	1.0472	0.00398	69286.40	0.0000
	20	0.5544	0.00431	16525.59	0.0000
M2	21	0.0712	0.00285	623.83	0.0000
	22	0.0578	0.00268	464.92	0.0000
M3	23	0.3864	0.00310	15504.66	0.0000
	24	0.3213	0.00292	12129.45	0.0000
E31	25	3.9835	0.00523	581138.9	0.0000
	26	3.1483	0.00414	579159.4	0.0000
E32	27	2.5310	0.00484	273572.2	0.0000
	28	2.0545	0.00355	335586.7	0.0000

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CAIMOD PROCEDURE

Response: RINIEG	Response Levels (R)= 3
Weight Variable: PWGT1	Populations (S)= 50850
Data Set: TEMP	Total Frequency (N)=1.06E7
Frequency Missing: 5607	Observations (Obs)=518788

MAXIMUM-LIKELIHOOD ANALYSIS

Iteration	Sub Iteration	-2 Log Likelihood	Convergence Criterion	Parameter Estimates					
				1	2	3	4	5	6
0	0	23273776	1.0000	0	0	0	0	0	0
1	0	10375709	0.5542	-0.8532	-0.6429	0.1335	0.1010	-0.006355	-0.004920
2	0	9445491.8	0.0897	-1.3045	-0.6051	0.3203	0.1757	-0.0101	-0.007317
3	0	9175373.9	0.0286	-1.8346	-0.7973	0.4417	0.2358	-0.0111	-0.008176
4	0	9101024.6	0.008103	-2.1441	-0.8875	0.4809	0.2565	-0.0111	-0.008275
5	0	9080523.9	0.002253	-2.2265	-0.9013	0.4868	0.2593	-0.0111	-0.008274
6	0	9073482.3	0.000775	-2.2337	-0.9019	0.4872	0.2595	-0.0111	-0.008274
7	0	9070902.1	0.000284	-2.2339	-0.9019	0.4873	0.2595	-0.0111	-0.008274
8	0	9069954	0.000105	-2.2339	-0.9019	0.4873	0.2595	-0.0111	-0.008274
9	0	9069605.3	0.0000384	-2.2339	-0.9019	0.4873	0.2595	-0.0111	-0.008274

10	0	9069477	0.0000141	-2.2339	-0.9019	0.4873	0.2595	-0.0111	-0.008274
11	0	9069429.9	5.2018E-6	-2.2339	-0.9019	0.4873	0.2595	-0.0111	-0.008274
12	0	9069412.5	1.9136E-6	-2.2339	-0.9019	0.4873	0.2595	-0.0111	-0.008274
13	0	9069406.1	7.0398E-7	-2.2339	-0.9019	0.4873	0.2595	-0.0111	-0.008274
14	0	9069403.8	2.5898E-7	-2.2339	-0.9019	0.4873	0.2595	-0.0111	-0.008274
15	0	9069402.9	9.5273E-8	-2.2339	-0.9019	0.4873	0.2595	-0.0111	-0.008274
16	0	9069402.6	3.5049E-8	-2.2339	-0.9019	0.4873	0.2595	-0.0111	-0.008274
17	0	9069402.5	1.2894E-8	-2.2339	-0.9019	0.4873	0.2595	-0.0111	-0.008274
18	0	9069402.4	4.7433E-9	-2.2339	-0.9019	0.4873	0.2595	-0.0111	-0.008274

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Parameter Estimates										
Iteration	7	8	9	10	11	12	13	14	15	16
0	0	0	0	0	0	0	0	0	0	0
1	0.4406	0.2706	0.3258	0.2151	-0.0255	0.0955	-0.2364	-0.1770	0.5578	0.4120
2	0.6798	0.3042	0.5172	0.3230	-0.0949	0.1279	-0.2904	-0.2687	0.4954	0.5246
3	0.7711	0.3395	0.6121	0.3965	-0.1213	0.1147	-0.3276	-0.3155	0.4664	0.5294
4	0.7958	0.3520	0.6460	0.4222	-0.1300	0.1082	-0.3466	-0.3326	0.4577	0.5277
5	0.7998	0.3541	0.6527	0.4267	-0.1316	0.1072	-0.3518	-0.3365	0.4578	0.5289
6	0.8001	0.3543	0.6533	0.4271	-0.1316	0.1072	-0.3524	-0.3370	0.4581	0.5293
7	0.8001	0.3543	0.6533	0.4271	-0.1316	0.1072	-0.3524	-0.3370	0.4582	0.5293
8	0.8001	0.3543	0.6533	0.4271	-0.1316	0.1072	-0.3524	-0.3370	0.4582	0.5294
9	0.8001	0.3543	0.6533	0.4271	-0.1316	0.1072	-0.3524	-0.3370	0.4582	0.5294
10	0.8001	0.3543	0.6533	0.4271	-0.1316	0.1072	-0.3524	-0.3370	0.4582	0.5294
11	0.8001	0.3543	0.6533	0.4271	-0.1316	0.1072	-0.3524	-0.3370	0.4582	0.5294
12	0.8001	0.3543	0.6533	0.4271	-0.1316	0.1072	-0.3524	-0.3370	0.4582	0.5294
13	0.8001	0.3543	0.6533	0.4271	-0.1316	0.1072	-0.3524	-0.3370	0.4582	0.5294
14	0.8001	0.3543	0.6533	0.4271	-0.1316	0.1072	-0.3524	-0.3370	0.4582	0.5294
15	0.8001	0.3543	0.6533	0.4271	-0.1316	0.1072	-0.3524	-0.3370	0.4582	0.5294
16	0.8001	0.3543	0.6533	0.4271	-0.1316	0.1072	-0.3524	-0.3370	0.4582	0.5294
17	0.8001	0.3543	0.6533	0.4271	-0.1316	0.1072	-0.3524	-0.3370	0.4582	0.5294
18	0.8001	0.3543	0.6533	0.4271	-0.1316	0.1072	-0.3524	-0.3370	0.4582	0.5294

Parameter Estimates										
Iteration	17	18	19	20	21	22	23	24	25	26
0	0	0	0	0	0	0	0	0	0	0
1	0.0900	0.0229	0.5301	0.2385	-0.0132	-0.001118	0.1152	0.1412	1.1596	0.9359
2	0.2298	0.0502	0.5012	0.2708	-0.0141	0.0145	0.2147	0.2773	1.6389	1.2199
3	0.3032	0.0883	0.4783	0.2746	-0.0103	0.0218	0.2880	0.3504	2.0970	1.4364
4	0.3276	0.1017	0.4727	0.2733	-0.009480	0.0229	0.3135	0.3706	2.3806	1.5285
5	0.3315	0.1034	0.4727	0.2735	-0.009562	0.0229	0.3173	0.3731	2.4599	1.5436
6	0.3317	0.1034	0.4729	0.2737	-0.009589	0.0229	0.3175	0.3732	2.4671	1.5446
7	0.3317	0.1034	0.4729	0.2737	-0.009591	0.0229	0.3176	0.3732	2.4673	1.5446
8	0.3317	0.1034	0.4729	0.2737	-0.009592	0.0229	0.3176	0.3732	2.4673	1.5446
9	0.3317	0.1034	0.4729	0.2737	-0.009592	0.0229	0.3176	0.3732	2.4673	1.5446
10	0.3317	0.1034	0.4729	0.2737	-0.009592	0.0229	0.3176	0.3732	2.4673	1.5446

11	0.3317	0.1034	0.4729	0.2737	-0.009592	0.0229	0.3176	0.3732	2.4673	1.5446
12	0.3317	0.1034	0.4729	0.2737	-0.009592	0.0229	0.3176	0.3732	2.4673	1.5446
13	0.3317	0.1034	0.4729	0.2737	-0.009592	0.0229	0.3176	0.3732	2.4673	1.5446
14	0.3317	0.1034	0.4729	0.2737	-0.009592	0.0229	0.3176	0.3732	2.4673	1.5446
15	0.3317	0.1034	0.4729	0.2737	-0.009592	0.0229	0.3176	0.3732	2.4673	1.5446
16	0.3317	0.1034	0.4729	0.2737	-0.009592	0.0229	0.3176	0.3732	2.4673	1.5446
17	0.3317	0.1034	0.4729	0.2737	-0.009592	0.0229	0.3176	0.3732	2.4673	1.5446
18	0.3317	0.1034	0.4729	0.2737	-0.009592	0.0229	0.3176	0.3732	2.4673	1.5446

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Iteration	Parameter Estimates								
	27	28	29	30	31	32	33	34	
0	0	0	0	0	0	0	0	0	
1	0.2792	0.3140	-0.1284	0.0154	-1.8747	-2.1367	0.0745	-0.3981	
2	0.7158	0.6225	-0.2721	0.1140	-2.7447	-3.2373	0.3883	-0.7825	
3	1.1801	0.8494	-0.3164	0.1353	-3.6492	-3.9782	0.5271	-0.8087	
4	1.4691	0.9456	-0.3268	0.1359	-4.6244	-4.4548	0.5751	-0.7917	
5	1.5493	0.9610	-0.3286	0.1355	-5.6235	-4.6157	0.5840	-0.7876	
6	1.5564	0.9618	-0.3288	0.1355	-6.6259	-4.6297	0.5847	-0.7873	
7	1.5566	0.9618	-0.3288	0.1355	-7.6270	-4.6298	0.5848	-0.7873	
8	1.5566	0.9618	-0.3288	0.1355	-8.6274	-4.6298	0.5848	-0.7873	
9	1.5567	0.9618	-0.3288	0.1355	-9.6276	-4.6298	0.5848	-0.7873	
10	1.5567	0.9618	-0.3288	0.1355	-10.6276	-4.6298	0.5848	-0.7873	
11	1.5567	0.9618	-0.3288	0.1355	-11.6277	-4.6298	0.5848	-0.7873	
12	1.5567	0.9618	-0.3288	0.1355	-12.6277	-4.6298	0.5848	-0.7873	
13	1.5567	0.9618	-0.3288	0.1355	-13.6277	-4.6298	0.5848	-0.7873	
14	1.5567	0.9618	-0.3288	0.1355	-14.6277	-4.6298	0.5848	-0.7873	
15	1.5567	0.9618	-0.3288	0.1355	-15.6277	-4.6298	0.5848	-0.7873	
16	1.5567	0.9618	-0.3288	0.1355	-16.6277	-4.6298	0.5848	-0.7873	
17	1.5567	0.9618	-0.3288	0.1355	-17.6277	-4.6298	0.5848	-0.7873	
18	1.5567	0.9618	-0.3288	0.1355	-18.6277	-4.6298	0.5848	-0.7873	

MAXIMUM-LIKELIHOOD ANALYSIS-OF-VARIANCE TABLE

Source	DF	Chi-Square	Prob
INTERCEPT	2	49829.73	0.0000
SEX	2	35885.37	0.0000
AGE	2	11089.74	0.0000
R2	2	47506.15	0.0000
R3	2	17091.04	0.0000
HISPANIC	2	2268.78	0.0000
CITIZEN	2	3521.74	0.0000
ENGLISH	2	5752.84	0.0000
FBORN	2	3908.49	0.0000
PCTPOV	2	10884.94	0.0000
M2	2	94.86	0.0000
M3	2	14248.75	0.0000

E31	2	252566.12	0.0000
E32	2	132602.04	0.0000
FT	2	28842.67	0.0000
PROFMAN	2	549112.39	0.0000
IND3	2	240900.39	0.0000
LIKELIHOOD RATIO	101666	1917887.97	0.0000

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ANALYSIS OF MAXIMUM-LIKELIHOOD ESTIMATES

Effect	Parameter	Estimate	Standard Error	Chi-Square	Prob
INTERCEPT	1	-2.2339	0.0100	49676.28	0.0000
	2	-0.9019	0.00929	9424.26	0.0000
SEX	3	0.4873	0.00264	34024.47	0.0000
	4	0.2595	0.00244	11353.21	0.0000
AGE	5	-0.0111	0.000116	9166.25	0.0000
	6	-0.00827	0.00011	5689.98	0.0000
R2	7	0.8001	0.00367	47505.01	0.0000
	8	0.3543	0.00360	9695.01	0.0000
R3	9	0.6533	0.00508	16568.50	0.0000
	10	0.4271	0.00505	7145.07	0.0000
HISPANIC	11	-0.1316	0.00500	693.69	0.0000
	12	0.1072	0.00481	496.26	0.0000
CITIZEN	13	-0.3524	0.00662	2836.78	0.0000
	14	-0.3370	0.00678	2469.71	0.0000
ENGLISH	15	0.4582	0.00723	4012.56	0.0000
	16	0.5294	0.00742	5095.38	0.0000
FBORN	17	0.3317	0.00534	3853.59	0.0000
	18	0.1034	0.00534	375.52	0.0000
FCTPOV	19	0.4729	0.00454	10872.59	0.0000
	20	0.2737	0.00487	3163.14	0.0000
M2	21	-0.00959	0.00321	8.94	0.0028
	22	0.0229	0.00304	56.54	0.0000
M3	23	0.3176	0.00362	7701.81	0.0000
	24	0.3732	0.00340	12043.56	0.0000
E31	25	2.4673	0.00560	193898.3	0.0000
	26	1.5446	0.00458	113681.1	0.0000
E32	27	1.5567	0.00516	91002.24	0.0000
	28	0.9618	0.00391	60398.58	0.0000
FT	29	-0.3288	0.00257	16383.93	0.0000
	30	0.1355	0.00247	3016.54	0.0000
PROFMAN	31	-18.6277	5.4211	11.81	0.0006
	32	-4.6298	0.00625	549100.7	0.0000
IND3	33	0.5848	0.00265	48646.03	0.0000
	34	-0.7873	0.00242	106150.9	0.0000