The SURVEYREG Procedure

Regression Analysis for Dependent Variable BMXBMI

Data Summary

Number of Observations	9064
Sum of Weights	191620428
Weighted Mean of BMXBMI	28.01928
Weighted Sum of BMXBMI	5369066698

Design Summary

Number of Strata	28
Number of Clusters	57

Fit Statistics

R-square	0.9526
Root MSE	6.2557
Denominator DF	29

Class Level Information

Class Variable	Label	Levels	Values
race	Race Ethnicity	4	1 2 3 4
age	AGE GROUP	3	1 2 3

Tests of Model Effects

Effect	Num DF	F Value	Pr > F
Model	12	7914.27	<.0001
race	3	21.21	<.0001
age	2	13.00	<.0001
race*age	6	2.08	0.0862

NOTE: The denominator degrees of freedom for the F tests is 29.

The SURVEYREG Procedure

Regression Analysis for Dependent Variable BMXBMI

Estimated Regression Coefficients

Parameter	Estimate	Standard Error	t Value	Pr > |t|
race 1	28.1929125	0.15098615	186.73	<.0001
race 2	29.8890751	0.30966957	96.52	<.0001
race 3	28.5680055	0.33762743	84.61	<.0001
race 4	26.9836338	0.50780736	53.14	<.0001
age 1	0.5912683	0.69678622	0.85	0.4031
age 2	1.2047354	0.44939335	2.68	0.0120
age 3	0.0000000	0.00000000	.	.
race*age 1 1	-1.8952419	0.80181811	-2.36	0.0250
race*age 1 2	-0.9493267	0.48729603	-1.95	0.0611
race*age 1 3	0.0000000	0.00000000	.	.
race*age 2 1	-1.5630665	0.81348873	-1.92	0.0646
race*age 2 2	-1.0278767	0.62677286	-1.64	0.1118
race*age 2 3	0.0000000	0.00000000	.	.
race*age 3 1	-1.6690489	0.76210046	-2.19	0.0367
race*age 3 2	-0.1713344	0.62492807	-0.27	0.7859
race*age 3 3	0.0000000	0.00000000	.	.
race*age 4 1	0.0000000	0.00000000	.	.
race*age 4 2	0.0000000	0.00000000	.	.
race*age 4 3	0.0000000	0.00000000	.	.

NOTE: The denominator degrees of freedom for the t tests is 29.
Matrix X'WX is singular and a generalized inverse was used to solve the normal equations. Estimates are not unique.

Estimates

Label	Estimate	Standard Error	DF	t Value	Pr > |t|
NH White	27.7707	0.1635	29	169.85	<.0001
NH Black	29.5694	0.1934	29	152.86	<.0001
Mex Amer	28.5248	0.1979	29	144.13	<.0001

The SURVEYREG Procedure

Regression Analysis for Dependent Variable BMXBMI

Data Summary

Number of Observations	9064
Sum of Weights	191620428
Weighted Mean of BMXBMI	28.01928
Weighted Sum of BMXBMI	5369066698

Design Summary

Number of Strata	28
Number of Clusters	57

Fit Statistics

R-square	0.9522
Root MSE	6.2822
Denominator DF	29

Class Level Information

Class Variable	Label	Levels	Values
race	Race Ethnicity	4	1 2 3 4
age	AGE GROUP	3	1 2 3

Tests of Model Effects

Effect	Num DF	F Value	Pr > F
Model	3	22573.1	<.0001
age	3	22573.1	<.0001

NOTE: The denominator degrees of freedom for the F tests is 29.

Estimated Regression Coefficients

Parameter	Estimate	Standard Error	t Value	Pr > |t|
age 1	27.2939482	0.15532146	175.73	<.0001
age 2	28.6542312	0.24086367	118.96	<.0001
age 3	28.2517281	0.12494184	226.12	<.0001

The SURVEYREG Procedure

Regression Analysis for Dependent Variable BMXBMI

NOTE: The denominator degrees of freedom for the t tests is 29.

Estimate

Label	Estimate	Standard Error	DF	t Value
Total	28.0215	0.1341	29	208.97

Estimate

Label	Pr > |t|
Total	<.0001

The SURVEYREG Procedure

Regression Analysis for Dependent Variable BMXBMI

Data Summary

Number of Observations	9064
Sum of Weights	191620428
Weighted Mean of BMXBMI	28.01928
Weighted Sum of BMXBMI	5369066698

Design Summary

Number of Strata	28
Number of Clusters	57

Fit Statistics

R-square	0.9531
Root MSE	6.2257
Denominator DF	29

Class Level Information

Class Variable	Label	Levels	Values
RIAGENDR	Gender	2	1 2
race	Race Ethnicity	4	1 2 3 4
age	AGE GROUP	3	1 2 3

Tests of Model Effects

Effect	Num DF	F Value	Pr > F
Model	24	72911.5	<.0001
RIAGENDR	1	84.68	<.0001
race	3	20.61	<.0001
age	2	12.91	<.0001
RIAGENDR*race*age	17	12.55	<.0001

NOTE: The denominator degrees of freedom for the F tests is 29.

The SURVEYREG Procedure

Regression Analysis for Dependent Variable BMXBMI

Estimated Regression Coefficients

Parameter	Estimate	Standard Error	t Value	Pr > |t|
RIAGENDR 1	26.0698315	0.54859387	47.52	<.0001
RIAGENDR 2	27.5646021	0.56864716	48.47	<.0001
race 1	0.5744072	0.62978773	0.91	0.3693
race 2	3.5552995	0.82061772	4.33	0.0002
race 3	1.3862087	0.63211140	2.19	0.0365
race 4	0.0000000	0.00000000	.	.
age 1	0.4475568	0.81691738	0.55	0.5880
age 2	0.9250205	0.51315330	1.80	0.0819
age 3	0.0000000	0.00000000	.	.
RIAGENDR*race*age 1 1 1	-0.0605782	1.12357768	-0.05	0.9574
RIAGENDR*race*age 1 1 2	1.0989065	0.91305164	1.20	0.2385
RIAGENDR*race*age 1 1 3	1.6164785	0.59342434	2.72	0.0108
RIAGENDR*race*age 1 2 1	-2.9548626	1.15659182	-2.55	0.0161
RIAGENDR*race*age 1 2 2	-2.8666913	1.00511927	-2.85	0.0079
RIAGENDR*race*age 1 2 3	-1.6153660	0.86950337	-1.86	0.0734
RIAGENDR*race*age 1 3 1	-0.7797546	1.00706612	-0.77	0.4450
RIAGENDR*race*age 1 3 2	0.5105875	0.92242131	0.55	0.5841
RIAGENDR*race*age 1 3 3	0.6404952	0.65507534	0.98	0.3363
RIAGENDR*race*age 1 4 1	0.5913181	0.77108914	0.77	0.4494
RIAGENDR*race*age 1 4 2	0.7781746	0.72283857	1.08	0.2906
RIAGENDR*race*age 1 4 3	0.0000000	0.00000000	.	.
RIAGENDR*race*age 2 1 1	-1.8391949	0.96605300	-1.90	0.0669
RIAGENDR*race*age 2 1 2	-0.8341585	0.68184223	-1.22	0.2310
RIAGENDR*race*age 2 1 3	0.0000000	0.00000000	.	.
RIAGENDR*race*age 2 2 1	-1.2264766	1.12178772	-1.09	0.2833
RIAGENDR*race*age 2 2 2	0.0649734	0.93578444	0.07	0.9451
RIAGENDR*race*age 2 2 3	0.0000000	0.00000000	.	.
RIAGENDR*race*age 2 3 1	-1.4821561	0.83983796	-1.76	0.0881
RIAGENDR*race*age 2 3 2	0.4778535	0.70574524	0.68	0.5037
RIAGENDR*race*age 2 3 3	0.0000000	0.00000000	.	.
RIAGENDR*race*age 2 4 1	0.0000000	0.00000000	.	.
RIAGENDR*race*age 2 4 2	0.0000000	0.00000000	.	.
RIAGENDR*race*age 2 4 3	0.0000000	0.00000000	.	.

NOTE: The denominator degrees of freedom for the t tests is 29.
Matrix X'WX is singular and a generalized inverse was used to solve the normal equations. Estimates are not unique.

The SURVEYREG Procedure

Regression Analysis for Dependent Variable BMXBMI

Estimates

Label	Estimate	Standard Error	DF	t Value	Pr > |t|
NH White Men	27.9246	0.1678	29	166.43	<.0001
NH Black Men	27.5347	0.1855	29	148.44	<.0001
Mex Amer men	28.0064	0.1890	29	148.16	<.0001
NH white Women	27.6209	0.2076	29	133.07	<.0001
NH Black Women	31.1791	0.2764	29	112.82	<.0001
Mex Amer Women	29.0621	0.3171	29	91.65	<.0001

The SURVEYREG Procedure

Regression Analysis for Dependent Variable BMXBMI

Data Summary

Number of Observations	9064
Sum of Weights	191620428
Weighted Mean of BMXBMI	28.01928
Weighted Sum of BMXBMI	5369066698

Design Summary

Number of Strata	28
Number of Clusters	57

Fit Statistics

R-square	0.9522
Root MSE	6.2805
Denominator DF	29

Class Level Information

Class Variable	Label	Levels	Values
RIAGENDR	Gender	2	1 2
race	Race Ethnicity	4	1 2 3 4
age	AGE GROUP	3	1 2 3

Tests of Model Effects

Effect	Num DF	F Value	Pr > F
Model	6	14564.4	<.0001
RIAGENDR	1	7.50	0.0105
age	2	16.64	<.0001
RIAGENDR*age	2	0.24	0.7904

NOTE: The denominator degrees of freedom for the F tests is 29.

The SURVEYREG Procedure

Regression Analysis for Dependent Variable BMXBMI

Estimated Regression Coefficients

Parameter	Estimate	Standard Error	t Value	Pr > |t|
RIAGENDR 1	28.0900535	0.12427987	226.02	<.0001
RIAGENDR 2	28.3762756	0.16790181	169.01	<.0001
age 1	-0.8557126	0.24682956	-3.47	0.0017
age 2	0.4232664	0.29299021	1.44	0.1593
age 3	0.0000000	0.00000000	.	.
RIAGENDR*age 1 1	-0.1724588	0.26936041	-0.64	0.5270
RIAGENDR*age 1 2	-0.0120209	0.32885583	-0.04	0.9711
RIAGENDR*age 1 3	0.0000000	0.00000000	.	.
RIAGENDR*age 2 1	0.0000000	0.00000000	.	.
RIAGENDR*age 2 2	0.0000000	0.00000000	.	.
RIAGENDR*age 2 3	0.0000000	0.00000000	.	.

NOTE: The denominator degrees of freedom for the t tests is 29.
Matrix X'WX is singular and a generalized inverse was used to solve the normal equations. Estimates are not unique.

Estimates

Label	Estimate	Standard Error	DF	t Value	Pr > |t|
Males	27.8352	0.1304	29	213.42	<.0001
Females	28.1943	0.1669	29	168.90	<.0001