The Mixed Procedure

Model Information	
Data Set	WORK.DTA
Dependent Variable	YEARS_ADJ
Covariance Structure	Diagonal
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Residual

Class Level Information		
Class	Levels	Values
NEIGHBORHOOD_ID	4	1 2 3 4
SATLEVELCAT	3	Dissatisfied Satisfied Very Satisfied
RECOMMENDCAT	3	Likely Not Likely Very Likely
PARTICIPATIONSCORECAT	3	High Low Medium
POLICERATINGCAT	3	High Low Medium
TRASHRATINGCAT	3	High Low Medium
SNOWREMOVALCAT	3	High Low Medium
FEELSAFEDAYCAT	2	High Low
FEELSAFENIGHTCAT	2	High Low
OWNRENT	3	Other Own Rent
GENDER	2	Female Male
RACE	3	Black/African American Caucasian/White Other

Dimensions	
Covariance Parameters	1
Columns in X	36
Columns in Z	0
Subjects	1
Max Obs per Subject	125

Number of Observations	
Number of Observations Read	200
Number of Observations Used	125
Number of Observations Not Used	75

Covariance Parameter Estimates	
Cov Parm	Estimate
Residual	108.54

Fit Statistics	
-2 Res Log Likelihood	827.3
AIC (Smaller is Better)	829.3
AICC (Smaller is Better)	829.3
BIC (Smaller is Better)	831.9

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
NEIGHBORHOOD_ID	3	101	0.67	0.5714

The Mixed Procedure

Type 3 Tests of Fixed Effects				
Effect	Num DF	Den DF	F Value	Pr > F
SATLEVELCAT	2	101	0.09	0.9143
RECOMMENDCAT	2	101	0.18	0.8394
PARTICIPATIONSCORECA	2	101	0.21	0.8117
POLICERATINGCAT	2	101	5.68	0.0046
TRASHRATINGCAT	2	101	0.76	0.4700
SNOWREMOVALCAT	2	101	3.47	0.0350
FEELSAFEDAYCAT	1	101	1.74	0.1899
FEELSAFENIGHTCAT	1	101	0.05	0.8171
OWNRENT	2	101	2.28	0.1075
GENDER	1	101	0.79	0.3759
RACE	2	101	2.08	0.1306
AGE	1	101	33.19	<.0001

The Mixed Procedure

Model Information	
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Dependent Variable	YEARS_ADJ
Covariance Structure	Diagonal
Estimation Method	REML
Residual Variance Method	Profile
Fixed Effects SE Method	Model-Based
Degrees of Freedom Method	Residual

Class Level Information		
Class	Levels	Values
POLICERATINGCAT	3	High Low Medium
FEELSAFEDAYCAT	2	High Low
OWNRENT	3	Other Own Rent

Dimensions	
Covariance Parameters	1
Columns in X	13
Columns in Z	0
Subjects	1
Max Obs per Subject	158

Number of Observations	
Number of Observations Read	200
Number of Observations Used	158
Number of Observations Not Used	42

Covariance Parameter Estimates				
Cov Parm	Estimate	Standard Error	Z Value	Pr > Z
Residual	95.2617	11.0367	8.63	<.0001

Fit Statistics	
-2 Res Log Likelihood	1145.2
AIC (Smaller is Better)	1147.2
AICC (Smaller is Better)	1147.2
BIC (Smaller is Better)	1150.2

Solution for Fixed Effects					
Effect	POLICERATINGCAT	FEELSAFEDAYCAT	OWNRENT	Estimate	Standard Error
Intercept				-8.2840	7.7482
POLICERATINGCAT	High			-4.4576	1.9868
POLICERATINGCAT	Low			5.4309	3.1241
POLICERATINGCAT	Medium			0	.
FEELSAFEDAYCAT		High		12.5385	6.7789
FEELSAFEDAYCAT		Low		0	.
OWNRENT			Other	3.6779	12.4966
OWNRENT			Own	-8.9254	5.3890

The Mixed Procedure

Solution for Fixed Effects

DF	t Value	Pr > |t|	Alpha	Lower	Upper
149	-1.07	0.2867	0.05	-23.5946	7.0267
149	-2.24	0.0263	0.05	-8.3836	-0.5317
149	1.74	0.0842	0.05	-0.7424	11.6042
.	.	.	.	.	.
149	1.85	0.0663	0.05	-0.8568	25.9338
.	.	.	.	.	.
149	0.29	0.7689	0.05	-21.0156	28.3714
149	-1.66	0.0998	0.05	-19.5742	1.7235

Solution for Fixed Effects

Effect	POLICERATINGCAT	FEELSAFEDAYCAT	OWNRENT	Estimate	Standard Error
OWNRENT			Rent	0	.
AGE				0.1617	0.1007
AGE*OWNRENT			Other	-0.07064	0.2803
AGE*OWNRENT			Own	0.3355	0.1182
AGE*OWNRENT			Rent	0	.

Solution for Fixed Effects

DF	t Value	Pr > |t|	Alpha	Lower	Upper
.	.	.	.	.	.
149	1.61	0.1105	0.05	-0.03731	0.3608
149	-0.25	0.8014	0.05	-0.6245	0.4833
149	2.84	0.0052	0.05	0.1019	0.5692
.	.	.	.	.	.

Type 3 Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
POLICERATINGCAT	2	149	7.50	0.0008
FEELSAFEDAYCAT	1	149	3.42	0.0663
OWNRENT	2	149	1.70	0.1863
AGE	1	149	7.20	0.0081
AGE*OWNRENT	2	149	4.82	0.0094

Least Squares Means

Effect	POLICERATINGCAT	FEELSAFEDAYCAT	OWNRENT	Estimate	Standard Error
POLICERATINGCAT	High			3.5830	3.3600
POLICERATINGCAT	Low			13.4715	3.5344
POLICERATINGCAT	Medium			8.0406	3.5083
FEELSAFEDAYCAT		High		14.6343	1.8941
FEELSAFEDAYCAT		Low		2.0958	6.2168

The Mixed Procedure

	Least Squares Means	
DF	t Value	Pr > |t|
149	1.07	0.2880
149	3.81	0.0002
149	2.29	0.0233
149	7.73	<.0001
149	0.34	0.7365

Least Squares Means					
Effect	POLICERATINGCAT	FEELSAFEDAYCAT	OWNRENT	Estimate	Standard Error
OWNRENT			Other	6.2885	4.7143
OWNRENT			Own	12.8611	3.3580
OWNRENT			Rent	5.9455	3.5875

	Least Squares Means	
DF	t Value	Pr > |t|
149	1.33	0.1843
149	3.83	0.0002
149	1.66	0.0996

Differences of Least Squares Means				
Effect	POLICERATINGCAT	FEELSAFEDAYCAT	OWNRENT	_POLICERATINGCAT
POLICERATINGCAT	High			Low
POLICERATINGCAT	High			Medium
POLICERATINGCAT	Low			Medium
FEELSAFEDAYCAT		High		
OWNRENT			Other	
OWNRENT			Other	
OWNRENT			Own	

The Mixed Procedure

_FEELSAFEDAYCAT	_OWNRENT	Estimate	Standard Error	DF	t Value	Pr > |t|	Adjustment	Adj P
		-9.8885	2.8101	149	-3.52	0.0006	Tukey-Kramer	0.0017
		-4.4576	1.9868	149	-2.24	0.0263	Tukey-Kramer	0.0673
		5.4309	3.1241	149	1.74	0.0842	Tukey-Kramer	0.1944
Low		12.5385	6.7789	149	1.85	0.0663	Tukey-Kramer	0.0663
	Own	-6.5725	4.8575	149	-1.35	0.1781	Tukey-Kramer	0.3683
	Rent	0.3430	5.0248	149	0.07	0.9457	Tukey-Kramer	0.9974
	Rent	6.9155	1.8985	149	3.64	0.0004	Tukey-Kramer	0.0011

Differences of Least Squares Means