The CORR Procedure

3 Variables: | I_CONSIDER_MYSELF_A_SPIRITUAL_PE PEOPLE_HAVE_A_DUTY_TO_RECYCLE BUY_SAME_PRODUCTS_THAT_CELEBRITI

Simple Statistics						
Variable N Mean Std Dev Sum Minimum Maximum						
I_CONSIDER_MYSELF_A_SPIRITUAL_PE	24426	3.70409	1.26370	90476	1.00000	5.00000
PEOPLE_HAVE_A_DUTY_TO_RECYCLE	24321	4.03487	1.03564	98132	1.00000	5.00000
BUY_SAME_PRODUCTS_THAT_CELEBRITI	24267	1.98912	1.07501	48270	1.00000	5.00000

Pearson Correlation Coefficients Prob > r under H0: Rho=0 Number of Observations					
	I_CONSIDER_MYSELF_A_SPIRITUAL_PE	PEOPLE_HAVE_A_DUTY_TO_RECYCLE	BUY_SAME_PRODUCTS_THAT_CELEBRITI		
I_CONSIDER_MYSELF_A_SPIRITUAL_PE	1.00000 24426	0.14920 <.0001 23992	0.01650 0.0103 24192		
PEOPLE_HAVE_A_DUTY_TO_RECYCLE	0.14920 <.0001 23992	1.00000 24321	-0.04390 <.0001 23880		
BUY_SAME_PRODUCTS_THAT_CELEBRITI	0.01650 0.0103 24192	-0.04390 <.0001 23880	1.00000 24267		

The DISCRIM Procedure

Total Sample Size	23819	DF Total	23818
Variables	3	DF Within Classes	23816
Classes	3	DF Between Classes	2

Number of Observations Read	25439
Number of Observations Used	23819

Class Level Information						
environcar	Variable Name	Frequency	Weight	Proportion	Prior Probability	
negative attitude towards environment with car	negative_attitude_towards_enviro	7292	7292	0.306142	0.333333	
neutral attitude towards environment with car	neutral_attitude_towards_environ	9652	9652	0.405223	0.333333	
positive attitude towards environmentwith car	positive_attitude_towards_enviro	6875	6875	0.288635	0.333333	

Within Covariance Matrix Information					
environcar	Covariance Matrix Rank	Natural Log of the Determinant of the Covariance Matrix			
negative att	3	0.87163			
neutral atti	3	0.01032			
positive att	3	0.02920			
Pooled	3	0.44339			

The DISCRIM Procedure Test of Homogeneity of Within Covariance Matrices

Chi-Square	DF	Pr > ChiSq
3903.491975	12	<.0001

Since the Chi-Square value is significant at the 0.1 level, the within covariance matrices will be used in the discriminant function. Reference: Morrison, D.F. (1976) Multivariate Statistical Methods p252.

The DISCRIM Procedure

Generalized Squared Distance to environcar					
From environcar	negative attitude towards environment with car	neutral attitude towards environment with car	positive attitude towards environmentwith car		
negative attitude towards environment with car	0.87163	0.32444	1.99595		
neutral attitude towards environment with car	1.17203	0.01032	1.19564		
positive attitude towards environmentwith car	1.91427	0.78550	0.02920		

The DISCRIM Procedure Classification Summary for Calibration Data: WORK.FANCY Resubstitution Summary using Quadratic Discriminant Function

Number of Observations and Percent Classified into environcar						
From environcar	negative attitude towards environment with car	neutral attitude towards environment with car	positive attitude towards environmentwith car	Tota		
negative attitude towards environment with car	3481	1514	2297	7292		
	47.74	20.76	31.50	100.00		
neutral attitude towards environment with car	2418	3881	3353	9652		
	25.05	40.21	34.74	100.00		
positive attitude towards environmentwith car	943	971	4961	6875		
•	13.72	14.12	72.16	100.00		
Total	6842	6366	10611	23819		
	28.72	26.73	44.55	100.00		
Priors	0.33333	0.33333	0.33333			

Error Count Estimates for environcar						
	negative attitude towards environment with car	neutral attitude towards environment with car	positive attitude towards environmentwith car	Total		
Rate	0.5226	0.5979	0.2784	0.4663		
Priors	0.3333	0.3333	0.3333			

	Class Level Information					
Class	Levels	Values				
environcar	3	negative attitude towards environment with car neutral attitude towards environment with car positive attitude towards environmentwith car				

Number of Observations Read	25439
Number of Observations Used	23819

The GLM Procedure

${\bf Dependent\ Variable: I_CONSIDER_MYSELF_A_SPIRITUAL_PE}$

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	601.07685	300.53843	190.99	<.0001
Error	23816	37476.82566	1.57360		
Corrected Total	23818	38077.90251			

R-Square	Coeff Var	Root MSE	I_CONSIDER_MYSELF_A_SPIRITUAL_PE Mean
0.015785	33.93062	1.254432	3.697049

Source	DF	Type I SS	Mean Square	F Value	Pr > F
environcar	2	601.0768515	300.5384257	190.99	<.0001
Source	DF	Type III SS	Mean Square	F Value	Pr > F

The GLM Procedure

Dependent Variable: PEOPLE_HAVE_A_DUTY_TO_RECYCLE

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	3127.29637	1563.64819	1668.71	<.0001
Error	23816	22316.50186	0.93704		
Corrected Total	23818	25443.79823			

R-Square	Coeff Var	Root MSE	PEOPLE_HAVE_A_DUTY_TO_RECYCLE Mean
0.122910	24.00117	0.968007	4.033167

Source	DF	Type I SS	Mean Square	F Value	Pr > F
environcar	2	3127.296372	1563.648186	1668.71	<.0001
Source	DF	Type III SS	Mean Square	F Value	Pr > F

environcar

2 3127.296372 1563.648186 1668.71 <.0001

The GLM Procedure

Dependent Variable: BUY_SAME_PRODUCTS_THAT_CELEBRITI

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	1492.94928	746.47464	688.44	<.0001
Error	23816	25823.60969	1.08430		
Corrected Total	23818	27316.55897			

R-Square	Coeff Var	Root MSE	BUY_SAME_PRODUCTS_THAT_CELEBRITI Mean
0.054654	52.46123	1.041296	1.984886

Source	DF	Type I SS	Mean Square	F Value	Pr > F
environcar	2	1492.949280	746.474640	688.44	<.0001
Source	DF	Type III SS	Mean Square	F Value	Pr > F

Levene's Test for Homogeneity of I_CONSIDER_MYSELF_A_SPIRITUAL_PE Variance ANOVA of Squared Deviations from Group Means						
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F	
environcar	2	1898.6	949.3	255.35	<.0001	
Error	23816	88540.8	3.7177			

Levene's Test for Homogeneity of PEOPLE_HAVE_A_DUTY_TO_RECYCLE Variance ANOVA of Squared Deviations from Group Means							
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F		
environcar	2	3980.4	1990.2	1117.51	<.0001		
Error	23816	42414.3	1.7809				

Levene's Test for Homogeneity of BUY_SAME_PRODUCTS_THAT_CELEBRITI Variance ANOVA of Squared Deviations from Group Means							
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F		
environcar	2	2127.4	1063.7	524.23	<.0001		
Error	23816	48323.5	2.0290				

Distribution of I_CONSIDER_MYSELF_A_SPIRITUAL_PE by environcar		

The GLM Procedure

Dunnett's t Tests for I_CONSIDER_MYSELF_A_SPIRITUAL_PE

Note: This test controls the Type I experimentwise error for comparisons of all treatments against a control.

Alpha	0.05
Error Degrees of Freedom	23816
Error Mean Square	1.573599
Critical Value of Dunnett's t	2.20921

Comparisons significant at the 0.05 level are indicated by ***.				
environcar Between Comparison Means Difference Between Limits				
positive attitude towards environmentwith car - negative attitude towards environment with car	0.39283	0.34624	0.43942	***
neutral attitude towards environment with car - negative attitude towards environment with car	0.09275	0.04975	0.13575	***

Distribution of PEOPLE_HAVE_A_DUTY_TO_RECYCLE by environcar		

The GLM Procedure

Dunnett's t Tests for PEOPLE_HAVE_A_DUTY_TO_RECYCLE

Note: This test controls the Type I experimentwise error for comparisons of all treatments against a control.

Alpha	0.05
Error Degrees of Freedom	23816
Error Mean Square	0.937038
Critical Value of Dunnett's t	2.20921

Comparisons significant at the 0.05 level are indicated by ***.				
environcar Between Comparison Means Limit				
positive attitude towards environmentwith car - negative attitude towards environment with car	0.87037	0.83443	0.90632	***
neutral attitude towards environment with car - negative attitude towards environment with car	0.14347	0.11029	0.17666	***

Distribution of BUY_SAME_PRODUCTS_THAT_CELEBRITI by environcar		

The GLM Procedure

Dunnett's t Tests for BUY_SAME_PRODUCTS_THAT_CELEBRITI

Note: This test controls the Type I experimentwise error for comparisons of all treatments against a control.

Alpha	0.05
Error Degrees of Freedom	23816
Error Mean Square	1.084297
Critical Value of Dunnett's t	2.20921

Comparisons significant at the 0.05 level are indicated by ***.				
environcar Between Comparison Means		Simultaneous 9	5% Confidence	
positive attitude towards environmentwith car - negative attitude towards environment with car	0.60909	0.57042	0.64776	***
neutral attitude towards environment with car - negative attitude towards environment with car	0.47271	0.43702	0.50841	***

The GLM Procedure Multivariate Analysis of Variance

E = Error SSCP Matrix				
I_CONSIDER_MYSELF_A_SPIRITUAL_PE PEOPLE_HAVE_A_DUTY_TO_RECYCLE BUY_SAME_PRODUCTS_THAT_CE				
I_CONSIDER_MYSELF_A_SPIRITUAL_PE	37476.825663	3224.7001754	-235.2312071	
PEOPLE_HAVE_A_DUTY_TO_RECYCLE	3224.7001754	22316.501857	-2763.439889	
BUY_SAME_PRODUCTS_THAT_CELEBRITI	-235.2312071	-2763.439889	25823.609685	

Partial Correlation Coefficients from the Error SSCP Matrix / Prob > r				
DF = 23816 I_CONSIDER_MYSELF_A_SPIRITUAL_PE PEOPLE_HAVE_A_DUTY_TO_RECYCLE BUY_SAME_PRODUCTS_THAT_CELEBORY				
I_CONSIDER_MYSELF_A_SPIRITUAL_PE	1.000000	0.111505 <.0001	-0.007561 0.2433	
PEOPLE_HAVE_A_DUTY_TO_RECYCLE	0.111505 <.0001	1.000000	-0.115114 <.0001	
BUY_SAME_PRODUCTS_THAT_CELEBRITI	-0.007561 0.2433	-0.115114 <.0001	1.000000	

The GLM Procedure Multivariate Analysis of Variance

H = Type III SSCP Matrix for environcar				
I_CONSIDER_MYSELF_A_SPIRITUAL_PE PEOPLE_HAVE_A_DUTY_TO_RECYCLE BUY_SAME_PRODUCTS_THAT_CELE				
I_CONSIDER_MYSELF_A_SPIRITUAL_PE	601.07685146	1366.6314506	747.168694	
PEOPLE_HAVE_A_DUTY_TO_RECYCLE	1366.6314506	3127.2963717	1592.3799367	
BUY_SAME_PRODUCTS_THAT_CELEBRITI	747.168694	1592.3799367	1492.9492804	

		H = Type III S	nd Vectors of: E Inverse * H, where SCP Matrix for environcar Error SSCP Matrix	
		Characteristic Vector V'EV=1		
Characteristic Root	Percent	I_CONSIDER_MYSELF_A_SPIRITUAL_PE	PEOPLE_HAVE_A_DUTY_TO_RECYCLE	BUY_SAME_PRODUCTS_THAT_CELEBRITI
0.20409366	91.44	0.00096625	0.00571920	0.00346821
0.01910503	8.56	-0.00030181	-0.00302331	0.00520288
0.00000000	0.00	0.00509854	-0.00203284	-0.00038342

	rali environo		atrix for envi	E = Error SS	MANOVA Test Criteria and F A
			N=11906	S=2 M=0	
Pr > F	Den DF	Num DF	F Value	Value	Statistic
<.0001	47628	6	855.28	0.81493090	Wilks' Lambda
<.0001	47630	6	824.82	0.18824669	Pillai's Trace
<.0001	31750	6	885.86	0.22319869	Hotelling-Lawley Trace
<.0001	23815	3	1620.16	0.20409366	Roy's Greatest Root
	und.	an upper bou	atest Root is	istic for Roy's Gre	NOTE: F Sta
		an upper bou	atest Root is		NOTE: F Sta