The DISCRIM Procedure

Total Sample Size	25697	DF Total	25696
Variables	49	DF Within Classes	25695
Classes	2	DF Between Classes	1

Number of Observations Read	25697
Number of Observations Used	25697

Class Level Information					
					Prior Probability
NoShotMade	NoShotMade	14232	14232	0.553839	0.500000
ShotMade	ShotMade	11465	11465	0.446161	0.500000

Within Covariance Matrix Information			
Covariance shot_made_flag Matrix Rank Natural Log of the Determinant of the Covariance Matrix			
NoShotMade	33	-398.36905	
ShotMade	32	-394.99308	
Pooled	33	-385.24322	

The DISCRIM Procedure **Test of Homogeneity of Within Covariance Matrices**

Chi-Square	DF	Pr > ChiSq
297982.15996	1225	<.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 shot_made_flag			
From shot_made_flag	NoShotMade	ShotMade	
NoShotMade	-398.36905	-195.11431	
ShotMade	-394.55390	-394.99308	

The DISCRIM Procedure Classification Summary for Calibration Data: WORK.KOBE3 Resubstitution Summary using Quadratic Discriminant Function

Number of Observations and Percent Classified into shot_made_flag					
From shot_made_flag NoShotMade ShotMade Total					
NoShotMade	12571	1661	14232		
	88.33	11.67	100.00		
ShotMade	6784	4681	11465		
	59.17	40.83	100.00		
Total	19355	6342	25697		
	75.32	24.68	100.00		
Priors	0.5	0.5			

Error Count Estimates for shot_made_flag			
	NoShotMade	ShotMade	Total
Rate	0.1167	0.5917	0.3542
Priors	0.5000	0.5000	

The DISCRIM Procedure Classification Summary for Calibration Data: WORK.KOBE3 Cross-validation Summary using Quadratic Discriminant Function

Number of Observations and Percent Classified into shot_made_flag					
From shot_made_flag NoShotMade ShotMade Tota					
NoShotMade	12551	1681	14232		
	88.19	11.81	100.00		
ShotMade	6832	4633	11465		
	59.59	40.41	100.00		
Total	19383	6314	25697		
	75.43	24.57	100.00		
Priors	0.5	0.5			

Error Count Estimates for shot_made_flag				
	NoShotMade ShotMade Tota			
Rate	0.1181	0.5959	0.3570	
Priors	0.5000	0.5000		

The DISCRIM Procedure Classification Summary for Test Data: WORK.TEST3 Classification Summary using Quadratic Discriminant Function

Observation Profile for Test Data	
Number of Observations Read	5000
Number of Observations Used	5000

Number of Observations and Percent Classified into shot_made_flag					
From shot_made_flag NoShotMade ShotMade Tota					
	3665 73.30	1335 26.70	5000 100.00		
Total	3665 73.30	1335 26.70	5000 100.00		
Priors	0.5	0.5			

Error Count Estimates for shot_made_flag	
	Total
Rate	
Priors	0.0000