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						
shot_made_flag	Variable Name	Frequency	Weight	Proportion	Prior Probability
NoShotMade	NoShotMade	14232	14232	0.553839	0.500000
ShotMade	ShotMade	11465	11465	0.446161	0.500000

Within Covariance Matrix Information		
shot_made_flag	Covariance 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 88.33	1661 11.67	14232 100.00
ShotMade	6784 59.17	4681 40.83	11465 100.00
Total	19355 75.32	6342 24.68	25697 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**	**Total**
NoShotMade	12551 88.19	1681 11.81	14232 100.00
ShotMade	6832 59.59	4633 40.41	11465 100.00
Total	19383 75.43	6314 24.57	25697 100.00
Priors	0.5	0.5	

Error Count Estimates for shot_made_flag			
	NoShotMade	**ShotMade**	**Total**
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**	**Total**
.	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