

The DISCRIM Procedure

Total Sample Size	25697	DF Total	25696
Variables	26	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	20	-131.23193
ShotMade	19	-151.10075
Pooled	20	-133.89994

The DISCRIM Procedure
Test of Homogeneity of Within Covariance Matrices

Chi-Square	DF	Pr > ChiSq
159054.97288	351	<.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	-131.23193	76.99130
ShotMade	-130.96708	-151.10075

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	480 3.37	13752 96.63	14232 100.00
ShotMade	230 2.01	11235 97.99	11465 100.00
Total	710 2.76	24987 97.24	25697 100.00
Priors	0.5	0.5	

Error Count Estimates for shot_made_flag			
	NoShotMade	ShotMade	Total
Rate	0.9663	0.0201	0.4932
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	480 3.37	13752 96.63	14232 100.00
ShotMade	230 2.01	11235 97.99	11465 100.00
Total	710 2.76	24987 97.24	25697 100.00
Priors	0.5	0.5	

Error Count Estimates for shot_made_flag			
	NoShotMade	ShotMade	Total
Rate	0.9663	0.0201	0.4932
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
.	114 2.28	4886 97.72	5000 100.00
Total	114 2.28	4886 97.72	5000 100.00
Priors	0.5	0.5	

Error Count Estimates for shot_made_flag	
	Total
Rate	.
Priors	0.0000