

The DISCRIM Procedure

Total Sample Size	2646	DF Total	2645
Variables	240	DF Within Classes	2644
Classes	2	DF Between Classes	1

Number of Observations Read	2646
Number of Observations Used	2646

Class Level Information					
highcd	Variable Name	Frequency	Weight	Proportion	Prior Probability
0	0	2520	2520	0.952381	0.950000
1	1	126	126.0000	0.047619	0.050000

Within Covariance Matrix Information		
highcd	Covariance Matrix Rank	Natural Log of the Determinant of the Covariance Matrix
0	240	212.87588
1	125	-1775
Pooled	240	213.57235

The DISCRIM Procedure
Test of Homogeneity of Within Covariance Matrices

Chi-Square	DF	Pr > ChiSq
89428.269692	28920	<.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 highcd		
From highcd	0	1
0	212.97847	48456558
1	215.00915	-1769

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

Number of Observations and Percent Classified into highcd			
From highcd	0	1	Total
0	2520 100.00	0 0.00	2520 100.00
1	0 0.00	126 100.00	126 100.00
Total	2520 95.24	126 4.76	2646 100.00
Priors	0.95	0.05	

Error Count Estimates for highcd			
	0	1	Total
Rate	0.0000	0.0000	0.0000
Priors	0.9500	0.0500	

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

Number of Observations and Percent Classified into highcd			
From highcd	0	1	Total
0	2520 100.00	0 0.00	2520 100.00
1	126 100.00	0 0.00	126 100.00
Total	2646 100.00	0 0.00	2646 100.00
Priors	0.95	0.05	

Error Count Estimates for highcd			
	0	1	Total
Rate	0.0000	1.0000	0.0500
Priors	0.9500	0.0500	

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

Observation Profile for Test Data	
Number of Observations Read	2646
Number of Observations Used	2646

Number of Observations and Percent Classified into highcd			
From highcd	0	1	Total
0	2520 100.00	0 0.00	2520 100.00
1	0 0.00	126 100.00	126 100.00
Total	2520 95.24	126 4.76	2646 100.00
Priors	0.95	0.05	

Error Count Estimates for highcd			
	0	1	Total
Rate	0.0000	0.0000	0.0000
Priors	0.9500	0.0500	