The DISCRIM Procedure

Total Sample Size	341	**DF Total**	340
Variables	7	**DF Within Classes**	339
Classes	2	**DF Between Classes**	1

Number of Observations Read	341
Number of Observations Used	341

Class Level Information					
CLUSTER	**Variable Name**	**Frequency**	**Weight**	**Proportion**	**Prior Probability**
1	1	218	218.0000	0.639296	0.500000
2	2	123	123.0000	0.360704	0.500000

Pooled Covariance Matrix Information	
Covariance Matrix Rank	**Natural Log of the Determinant of the Covariance Matrix**
7	15.23448

Generated by the SAS System ('Local', X64_DSRV16) on September 18, 2020 at 2:49:40 AM

The DISCRIM Procedure

Generalized Squared Distance to CLUSTER		
From CLUSTER	**1**	**2**
1	0	0.06907
2	0.06907	0

Linear Discriminant Function for CLUSTER			
Variable	**Label**	**1**	**2**
Constant		-16.05827	-16.66403
residence status	residence status	12.61784	12.62731
HH Income	HH Income	1.02361	1.10663
NumberMembers	NumberMembers	1.39904	1.40799
MH Working Hours	MH Working Hours	-0.00138	0.00587
MH Edu	MH Edu	-0.07403	-0.12676
FH Working Hours	FH Working Hours	0.01606	0.01491
FH Edu	FH Edu	1.07886	1.10556

The DISCRIM Procedure
Classification Summary for Calibration Data: WORK.SORTTEMPTABLESORTED
Resubstitution Summary using Linear Discriminant Function

Number of Observations and Percent Classified into CLUSTER			
From CLUSTER	**1**	**2**	**Total**
1	120 55.05	98 44.95	218 100.00
2	56 45.53	67 54.47	123 100.00
Total	176 51.61	165 48.39	341 100.00
Priors	0.5	0.5	

Error Count Estimates for CLUSTER			
	1	**2**	**Total**
Rate	0.4495	0.4553	0.4524
Priors	0.5000	0.5000	

Generated by the SAS System ('Local', X64_DSRV16) on September 18, 2020 at 2:49:40 AM

The DISCRIM Procedure
Classification Results for Calibration Data: WORK.SORTTEMPTABLESORTED
Cross-validation Results using Linear Discriminant Function

Obs	From CLUSTER	Classified into CLUSTER		1	2
1	2	1	*	0.6061	0.3939
2	1	1		0.5240	0.4760
3	1	2	*	0.4695	0.5305
4	1	2	*	0.4685	0.5315
5	1	2	*	0.4703	0.5297
6	1	1		0.5299	0.4701
7	1	1		0.5393	0.4607
8	2	1	*	0.5610	0.4390
9	1	2	*	0.4881	0.5119
10	1	1		0.5900	0.4100
11	1	1		0.5096	0.4904
12	2	1	*	0.5529	0.4471
13	2	1	*	0.5744	0.4256
14	1	1		0.5886	0.4114
15	1	1		0.5458	0.4542
16	2	1	*	0.6138	0.3862
17	1	2	*	0.4733	0.5267
18	1	2	*	0.4566	0.5434
19	1	1		0.5240	0.4760
20	2	2		0.4820	0.5180
21	1	2	*	0.4716	0.5284
22	2	2		0.4436	0.5564
23	1	1		0.6410	0.3590
24	1	1		0.5136	0.4864
25	2	1	*	0.5735	0.4265
26	1	1		0.5346	0.4654
27	1	2	*	0.4445	0.5555
28	1	2	*	0.4735	0.5265
29	1	1		0.5740	0.4260
30	2	2		0.4751	0.5249
31	1	1		0.5885	0.4115
32	2	1	*	0.5696	0.4304

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The DISCRIM Procedure
Classification Results for Calibration Data: WORK.SORTTEMPTABLESORTED
Cross-validation Results using Linear Discriminant Function

				Posterior Probability of Membership in CLUSTER	
Obs	**From CLUSTER**	**Classified into CLUSTER**		**1**	**2**
33	1	2	*	0.4647	0.5353
34	1	2	*	0.4599	0.5401
35	1	2	*	0.4355	0.5645
36	2	1	*	0.5617	0.4383
37	1	1		0.5249	0.4751
38	1	2	*	0.4552	0.5448
39	1	1		0.5574	0.4426
40	2	2		0.4911	0.5089
41	2	1	*	0.6082	0.3918
42	2	2		0.4984	0.5016
43	1	1		0.5299	0.4701
44	1	2	*	0.4568	0.5432
45	1	1		0.5464	0.4536
46	1	1		0.5344	0.4656
47	1	2	*	0.4201	0.5799
48	1	1		0.5049	0.4951
49	1	2	*	0.4888	0.5112
50	2	2		0.3932	0.6068
51	1	2	*	0.4990	0.5010
52	1	1		0.5240	0.4760
53	2	1	*	0.5714	0.4286
54	1	1		0.5198	0.4802
55	1	2	*	0.4080	0.5920
56	2	1	*	0.5214	0.4786
57	1	1		0.6423	0.3577
58	2	1	*	0.5024	0.4976
59	2	1	*	0.5340	0.4660
60	1	2	*	0.4134	0.5866
61	2	1	*	0.6405	0.3595
62	2	1	*	0.5760	0.4240
63	1	1		0.5102	0.4898
64	1	2	*	0.4972	0.5028

The DISCRIM Procedure
Classification Results for Calibration Data: WORK.SORTTEMPTABLESORTED
Cross-validation Results using Linear Discriminant Function

			Posterior Probability of Membership in CLUSTER		
Obs	**From CLUSTER**	**Classified into CLUSTER**		**1**	**2**
65	1	2	*	0.4513	0.5487
66	1	1		0.5570	0.4430
67	1	1		0.5382	0.4618
68	2	2		0.3808	0.6192
69	1	2	*	0.4770	0.5230
70	2	1	*	0.5488	0.4512
71	2	1	*	0.5438	0.4562
72	2	1	*	0.5470	0.4530
73	1	1		0.5396	0.4604
74	1	2	*	0.4149	0.5851
75	1	2	*	0.3568	0.6432
76	1	2	*	0.4501	0.5499
77	1	1		0.5390	0.4610
78	1	1		0.5784	0.4216
79	1	1		0.5176	0.4824
80	2	1	*	0.5168	0.4832
81	1	1		0.5833	0.4167
82	1	1		0.5466	0.4534
83	1	1		0.5091	0.4909
84	2	1	*	0.5370	0.4630
85	1	2	*	0.4758	0.5242
86	1	1		0.6486	0.3514
87	1	2	*	0.4872	0.5128
88	1	1		0.5628	0.4372
89	1	2	*	0.4519	0.5481
90	2	2		0.4282	0.5718
91	2	1	*	0.5354	0.4646
92	1	2	*	0.4902	0.5098
93	2	1	*	0.5817	0.4183
94	1	1		0.5220	0.4780
95	2	1	*	0.5867	0.4133
96	1	2	*	0.4801	0.5199

The DISCRIM Procedure
Classification Results for Calibration Data: WORK.SORTTEMPTABLESORTED
Cross-validation Results using Linear Discriminant Function

			Posterior Probability of Membership in CLUSTER		
Obs	From CLUSTER	Classified into CLUSTER		1	2
97	2	2		0.4579	0.5421
98	2	2		0.4840	0.5160
99	1	2	*	0.4840	0.5160
100	2	1	*	0.5353	0.4647
101	1	1		0.5042	0.4958
102	1	1		0.5279	0.4721
103	1	1		0.5093	0.4907
104	2	2		0.4329	0.5671
105	1	1		0.5704	0.4296
106	1	1		0.5446	0.4554
107	1	2	*	0.4947	0.5053
108	1	1		0.5266	0.4734
109	2	2		0.4906	0.5094
110	1	2	*	0.4510	0.5490
111	1	2	*	0.4219	0.5781
112	2	1	*	0.5262	0.4738
113	2	1	*	0.5296	0.4704
114	2	1	*	0.5784	0.4216
115	1	1		0.6138	0.3862
116	1	1		0.5799	0.4201
117	1	1		0.6079	0.3921
118	2	1	*	0.5354	0.4646
119	1	2	*	0.3847	0.6153
120	2	1	*	0.5340	0.4660
121	1	1		0.5749	0.4251
122	1	2	*	0.4813	0.5187
123	1	2	*	0.4732	0.5268
124	2	2		0.4633	0.5367
125	1	2	*	0.4718	0.5282
126	2	2		0.4349	0.5651
127	1	1		0.5433	0.4567
128	1	2	*	0.4238	0.5762

The DISCRIM Procedure
Classification Results for Calibration Data: WORK.SORTTEMPTABLESORTED
Cross-validation Results using Linear Discriminant Function

				Posterior Probability of Membership in CLUSTER	
Obs	**From CLUSTER**	**Classified into CLUSTER**		**1**	**2**
129	1	2	*	0.4687	0.5313
130	2	1	*	0.5074	0.4926
131	2	2		0.4773	0.5227
132	1	1		0.5341	0.4659
133	2	1	*	0.5034	0.4966
134	2	2		0.4822	0.5178
135	1	2	*	0.4842	0.5158
136	2	1	*	0.6536	0.3464
137	2	1	*	0.5522	0.4478
138	1	1		0.5017	0.4983
139	1	2	*	0.4953	0.5047
140	2	1	*	0.6009	0.3991
141	1	2	*	0.4874	0.5126
142	2	2		0.4856	0.5144
143	2	2		0.4087	0.5913
144	1	2	*	0.4959	0.5041
145	2	1	*	0.6215	0.3785
146	1	2	*	0.4414	0.5586
147	2	2		0.4588	0.5412
148	1	1		0.5218	0.4782
149	2	2		0.4951	0.5049
150	1	1		0.5514	0.4486
151	2	2		0.4739	0.5261
152	1	1		0.5328	0.4672
153	2	1	*	0.6729	0.3271
154	1	2	*	0.4389	0.5611
155	1	1		0.5319	0.4681
156	1	1		0.6075	0.3925
157	1	1		0.5112	0.4888
158	1	1		0.5248	0.4752
159	2	1	*	0.5142	0.4858
160	2	1	*	0.5864	0.4136

The DISCRIM Procedure
Classification Results for Calibration Data: WORK.SORTTEMPTABLESORTED
Cross-validation Results using Linear Discriminant Function

Obs	From CLUSTER	Classified into CLUSTER		1	2
			Posterior Probability of Membership in CLUSTER		
161	2	2		0.3846	0.6154
162	1	2	*	0.3952	0.6048
163	1	2	*	0.4648	0.5352
164	1	1		0.5339	0.4661
165	1	2	*	0.4663	0.5337
166	1	2	*	0.4899	0.5101
167	1	2	*	0.4785	0.5215
168	1	1		0.5620	0.4380
169	1	1		0.5919	0.4081
170	1	2	*	0.4902	0.5098
171	1	1		0.5628	0.4372
172	2	1	*	0.5412	0.4588
173	1	2	*	0.3716	0.6284
174	2	2		0.4851	0.5149
175	1	2	*	0.4337	0.5663
176	2	2		0.4402	0.5598
177	2	2		0.4876	0.5124
178	2	2		0.4285	0.5715
179	1	1		0.5374	0.4626
180	1	1		0.5516	0.4484
181	2	2		0.4581	0.5419
182	2	1	*	0.5127	0.4873
183	2	2		0.3552	0.6448
184	1	1		0.5154	0.4846
185	1	1		0.5186	0.4814
186	2	2		0.4042	0.5958
187	1	1		0.5366	0.4634
188	1	2	*	0.4546	0.5454
189	1	1		0.5653	0.4347
190	1	2	*	0.4680	0.5320
191	1	2	*	0.4915	0.5085
192	2	2		0.4414	0.5586

The DISCRIM Procedure
Classification Results for Calibration Data: WORK.SORTTEMPTABLESORTED
Cross-validation Results using Linear Discriminant Function

				Posterior Probability of Membership in CLUSTER	
Obs	From CLUSTER	Classified into CLUSTER		1	2
193	1	2	*	0.4628	0.5372
194	2	1	*	0.5747	0.4253
195	2	1	*	0.6007	0.3993
196	1	2	*	0.4096	0.5904
197	2	1	*	0.5837	0.4163
198	1	1		0.5400	0.4600
199	2	2		0.4798	0.5202
200	1	2	*	0.4514	0.5486
201	2	2		0.4812	0.5188
202	2	1	*	0.5326	0.4674
203	1	1		0.5839	0.4161
204	1	1		0.5790	0.4210
205	1	1		0.5279	0.4721
206	1	2	*	0.3941	0.6059
207	1	1		0.5690	0.4310
208	1	2	*	0.4983	0.5017
209	2	2		0.4227	0.5773
210	2	1	*	0.5800	0.4200
211	2	2		0.4768	0.5232
212	2	1	*	0.5953	0.4047
213	2	2		0.4833	0.5167
214	2	2		0.4624	0.5376
215	2	2		0.3561	0.6439
216	2	2		0.4164	0.5836
217	1	2	*	0.4852	0.5148
218	2	2		0.4733	0.5267
219	2	2		0.4838	0.5162
220	2	2		0.4752	0.5248
221	2	2		0.4499	0.5501
222	2	2		0.4588	0.5412
223	2	2		0.4996	0.5004
224	1	2	*	0.3873	0.6127

The DISCRIM Procedure
Classification Results for Calibration Data: WORK.SORTTEMPTABLESORTED
Cross-validation Results using Linear Discriminant Function

Posterior Probability of Membership in CLUSTER					
Obs	**From CLUSTER**	**Classified into CLUSTER**		**1**	**2**
225	1	2	*	0.3770	0.6230
226	2	1	*	0.5200	0.4800
227	2	2		0.4714	0.5286
228	2	1	*	0.6099	0.3901
229	1	2	*	0.4651	0.5349
230	1	2	*	0.3970	0.6030
231	1	2	*	0.3738	0.6262
232	1	2	*	0.4543	0.5457
233	1	1		0.5618	0.4382
234	1	1		0.5114	0.4886
235	1	2	*	0.3214	0.6786
236	2	1	*	0.5500	0.4500
237	1	2	*	0.4935	0.5065
238	1	2	*	0.3915	0.6085
239	1	1		0.5555	0.4445
240	1	2	*	0.4044	0.5956
241	1	2	*	0.4445	0.5555
242	1	1		0.5846	0.4154
243	1	1		0.5005	0.4995
244	2	1	*	0.6120	0.3880
245	1	1		0.5286	0.4714
246	1	2	*	0.4840	0.5160
247	2	2		0.4782	0.5218
248	1	2	*	0.4291	0.5709
249	1	2	*	0.4780	0.5220
250	2	1	*	0.5814	0.4186
251	1	1		0.5563	0.4437
252	1	1		0.5730	0.4270
253	1	1		0.5897	0.4103
254	2	2		0.3780	0.6220
255	1	2	*	0.4339	0.5661
256	2	2		0.4750	0.5250

The DISCRIM Procedure
Classification Results for Calibration Data: WORK.SORTTEMPTABLESORTED
Cross-validation Results using Linear Discriminant Function

Obs	From CLUSTER	Classified into CLUSTER		1	2
257	1	2	*	0.4657	0.5343
258	1	1		0.6149	0.3851
259	1	1		0.6116	0.3884
260	1	2	*	0.4367	0.5633
261	1	1		0.5651	0.4349
262	2	2		0.4662	0.5338
263	1	2	*	0.3902	0.6098
264	1	2	*	0.4242	0.5758
265	1	2	*	0.4400	0.5600
266	1	2	*	0.4168	0.5832
267	1	1		0.6032	0.3968
268	1	2	*	0.4584	0.5416
269	1	2	*	0.3114	0.6886
270	2	1	*	0.5168	0.4832
271	1	1		0.5553	0.4447
272	1	1		0.5142	0.4858
273	1	2	*	0.4804	0.5196
274	1	1		0.5190	0.4810
275	1	2	*	0.4925	0.5075
276	2	1	*	0.6822	0.3178
277	1	1		0.5553	0.4447
278	1	1		0.5916	0.4084
279	1	1		0.5836	0.4164
280	1	2	*	0.4536	0.5464
281	1	1		0.5464	0.4536
282	1	1		0.5379	0.4621
283	1	1		0.5653	0.4347
284	1	1		0.5042	0.4958
285	1	2	*	0.3099	0.6901
286	2	2		0.4130	0.5870
287	1	2	*	0.4743	0.5257
288	2	2		0.3811	0.6189

Posterior Probability of Membership in CLUSTER

The DISCRIM Procedure
Classification Results for Calibration Data: WORK.SORTTEMPTABLESORTED
Cross-validation Results using Linear Discriminant Function

Obs	From CLUSTER	Classified into CLUSTER		1	2
289	2	1	*	0.6204	0.3796
290	2	2		0.4927	0.5073
291	2	1	*	0.5522	0.4478
292	2	2		0.4290	0.5710
293	1	2	*	0.4238	0.5762
294	1	1		0.6112	0.3888
295	1	2	*	0.4143	0.5857
296	1	1		0.5341	0.4659
297	1	1		0.5008	0.4992
298	2	1	*	0.5380	0.4620
299	1	1		0.5820	0.4180
300	1	1		0.5169	0.4831
301	1	1		0.5811	0.4189
302	1	2	*	0.4528	0.5472
303	1	1		0.5631	0.4369
304	1	2	*	0.4352	0.5648
305	1	2	*	0.4670	0.5330
306	1	2	*	0.3980	0.6020
307	1	2	*	0.4283	0.5717
308	1	2	*	0.4585	0.5415
309	1	1		0.5639	0.4361
310	2	2		0.4294	0.5706
311	1	2	*	0.3896	0.6104
312	2	2		0.4169	0.5831
313	1	1		0.5781	0.4219
314	1	1		0.5343	0.4657
315	1	1		0.5778	0.4222
316	1	1		0.5602	0.4398
317	1	1		0.5402	0.4598
318	1	2	*	0.4306	0.5694
319	2	1	*	0.5649	0.4351
320	1	2	*	0.4368	0.5632

The DISCRIM Procedure
Classification Results for Calibration Data: WORK.SORTTEMPTABLESORTED
Cross-validation Results using Linear Discriminant Function

	Posterior Probability of Membership in CLUSTER				
Obs	**From CLUSTER**	**Classified into CLUSTER**		**1**	**2**
321	1	2	*	0.4897	0.5103
322	1	2	*	0.4381	0.5619
323	2	1	*	0.5472	0.4528
324	1	2	*	0.4843	0.5157
325	2	2		0.3741	0.6259
326	1	1		0.5699	0.4301
327	2	2		0.4625	0.5375
328	1	1		0.5168	0.4832
329	1	1		0.5044	0.4956
330	2	1	*	0.5138	0.4862
331	2	2		0.4541	0.5459
332	1	2	*	0.4727	0.5273
333	2	2		0.4720	0.5280
334	1	1		0.5526	0.4474
335	2	1	*	0.5546	0.4454
336	2	2		0.4344	0.5656
337	2	2		0.4337	0.5663
338	2	2		0.4205	0.5795
339	1	1		0.5507	0.4493
340	1	1		0.5324	0.4676
341	2	2		0.4456	0.5544

* Misclassified observation

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

Number of Observations and Percent Classified into CLUSTER			
From CLUSTER	1	2	Total
1	112 51.38	106 48.62	218 100.00
2	60 48.78	63 51.22	123 100.00
Total	172 50.44	169 49.56	341 100.00
Priors	0.5	0.5	

Error Count Estimates for CLUSTER			
	1	2	Total
Rate	0.4862	0.4878	0.4870
Priors	0.5000	0.5000	

Generated by the SAS System ('Local', X64_DSRV16) on September 18, 2020 at 2:49:40 AM