

```

1  *-----
   -*
2  User:                u59406283
3  Date:                11 April 2022
4  Time:                23:29:15
5  *-----
   -*
6  * Training Output
7  *-----
   -*
8
9
10
11
12 Variable Summary
13
14           Measurement      Frequency
15 Role           Level        Count
16
17 INPUT          INTERVAL        4
18 INPUT          NOMINAL         1
19
20
21
22 The CLUSTER Procedure
23 Ward's Minimum Variance Cluster Analysis
24
25           Eigenvalues of the Covariance Matrix
26
27           Eigenvalue      Difference      Proportion      Cumulative
28
29      1      3906.85346      3242.59888          0.8228          0.8228
30      2       664.25458       509.95163          0.1399          0.9627
31      3       154.30295       132.20730          0.0325          0.9952
32      4        22.09565        21.60494          0.0047          0.9999
33      5         0.49071         0.49071          0.0001          1.0000

```

34	6	-0.00000	-0.0000	1.0000
35				
36	Root-Mean-Square Total-Sample Standard Deviation			28.13113
37				
38	Root-Mean-Square Distance Between Observations			97.44908
39				
40				
41				Cluster His
	tory			
42	Number			
43	of			Sem
	ipartial		Pseudo F	Pseudo
44	Clusters	-----Clusters Joined-----		Freq
	R-Square	R-Square	Statistic	t-Squared
45				Tie
46	49	OB32	OB35	8
	0.0000	1.00	61E3	106
47	48	OB10	OB18	10
	0.0001	1.00	26E3	374
48	47	OB27	OB36	16
	0.0001	1.00	13E3	590
49	46	OB31	OB47	4
	0.0001	1.00	8682	1116
50	45	OB23	OB28	7
	0.0002	.999	6239	380
51	44	OB1	OB5	3
	0.0002	.999	4603	2271
52	43	OB11	OB13	4
	0.0002	.999	3607	2091
53	42	OB49	OB50	10
	0.0003	.999	2927	1164
54	41	OB26	OB48	3
	0.0003	.998	2464	1928
55	40	OB12	OB41	10
	0.0004	.998	2080	1324
56	39	OB22	CL41	4

	0.0004	.998	1810	2.5	
57	38	OB7	OB15		4
	0.0004	.997	1599	965	
58	37	OB17	OB39		3
	0.0005	.997	1395	3158	
59	36	OB34	OB46		8
	0.0005	.996	1247	2486	
60	35	OB3	CL38		5
	0.0005	.996	1130	4.0	
61	34	OB8	OB14		13
	0.0005	.995	1038	2751	
62	33	CL43	OB33		6
	0.0007	.994	943	10.9	
63	32	OB4	CL34		16
	0.0007	.994	865	18.4	
64	31	OB19	CL46		10
	0.0007	.993	803	40.4	
65	30	OB21	OB40		9
	0.0008	.992	753	3016	
66	29	OB43	OB45		10
	0.0008	.991	708	2566	
67	28	OB16	OB44		14
	0.0009	.991	668	4550	
68	27	OB38	OB42		16
	0.0011	.989	627	3250	
69	26	CL37	OB25		6
	0.0011	.988	592	8.8	
70	25	CL48	OB20		13
	0.0012	.987	562	175	
71	24	OB29	CL42		14
	0.0012	.986	537	52.7	
72	23	CL44	CL35		8
	0.0014	.985	513	7.4	
73	22	CL40	CL28		24
	0.0015	.983	492	26.1	
74	21	OB2	CL26		8

	0.0015	.982	476	5.7	
75	20	CL30	OB37		13
	0.0016	.980	463	22.9	
76	19	OB9	CL31		14
	0.0017	.978	453	22.4	
77	18	OB6	CL45		12
	0.0017	.977	446	101	
78	17	CL20	OB30		15
	0.0025	.974	429	13.9	
79	16	CL49	CL27		24
	0.0025	.972	419	50.9	
80	15	CL32	OB24		24
	0.0031	.968	405	53.8	
81	14	CL21	CL19		22
	0.0035	.965	393	12.4	
82	13	CL25	CL36		21
	0.0036	.961	386	39.0	
83	12	CL23	CL33		14
	0.0037	.958	385	12.7	
84	11	CL18	CL39		16
	0.0044	.953	384	24.0	
85	10	CL12	CL29		24
	0.0057	.947	380	15.6	
86	9	CL22	CL24		38
	0.0086	.939	366	72.5	
87	8	CL47	CL16		40
	0.0091	.930	363	92.9	
88	7	CL14	CL11		38
	0.0176	.912	334	38.9	
89	6	CL15	CL17		39
	0.0211	.891	317	84.6	
90	5	CL9	CL8		78
	0.0370	.854	285	110	
91	4	CL10	CL13		45
	0.0447	.809	277	101	
92	3	CL7	CL6		77

```

          0.0833          .726          261          97.5
93          2      CL4          CL5          123
          0.1331          .593          288          127
94          1      CL2          CL3          200
          0.5930          .000          .          288
95
96
97 *-----
   -*
98 * Score Output
99 *-----
   -*
100
101
102 *-----
   -*
103 * Report Output
104 *-----
   -*
105
106
107
108
109 Variable Importance
110
111          Number of      Number of
112          Splitting      Surrogate
113 Variable Name      Label      Rules      Rules      Importa
      nce
114
115 Spending_Score      3          5          1.000
      00
116 CustomerID          0          8          0.976
      78
117 Annual_Income      3          4          0.942
      10

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118	Age	1	4	0.787
	95			
119	Gender	1	0	0.408
	90			