

The CLUSTER Procedure
Ward's Minimum Variance Cluster Analysis

Eigenvalues of the Covariance Matrix				
	Eigenvalue	Difference	Proportion	Cumulative
1	0.00145225		1.0000	1.0000

Root-Mean-Square Total-Sample Standard Deviation	0.038108
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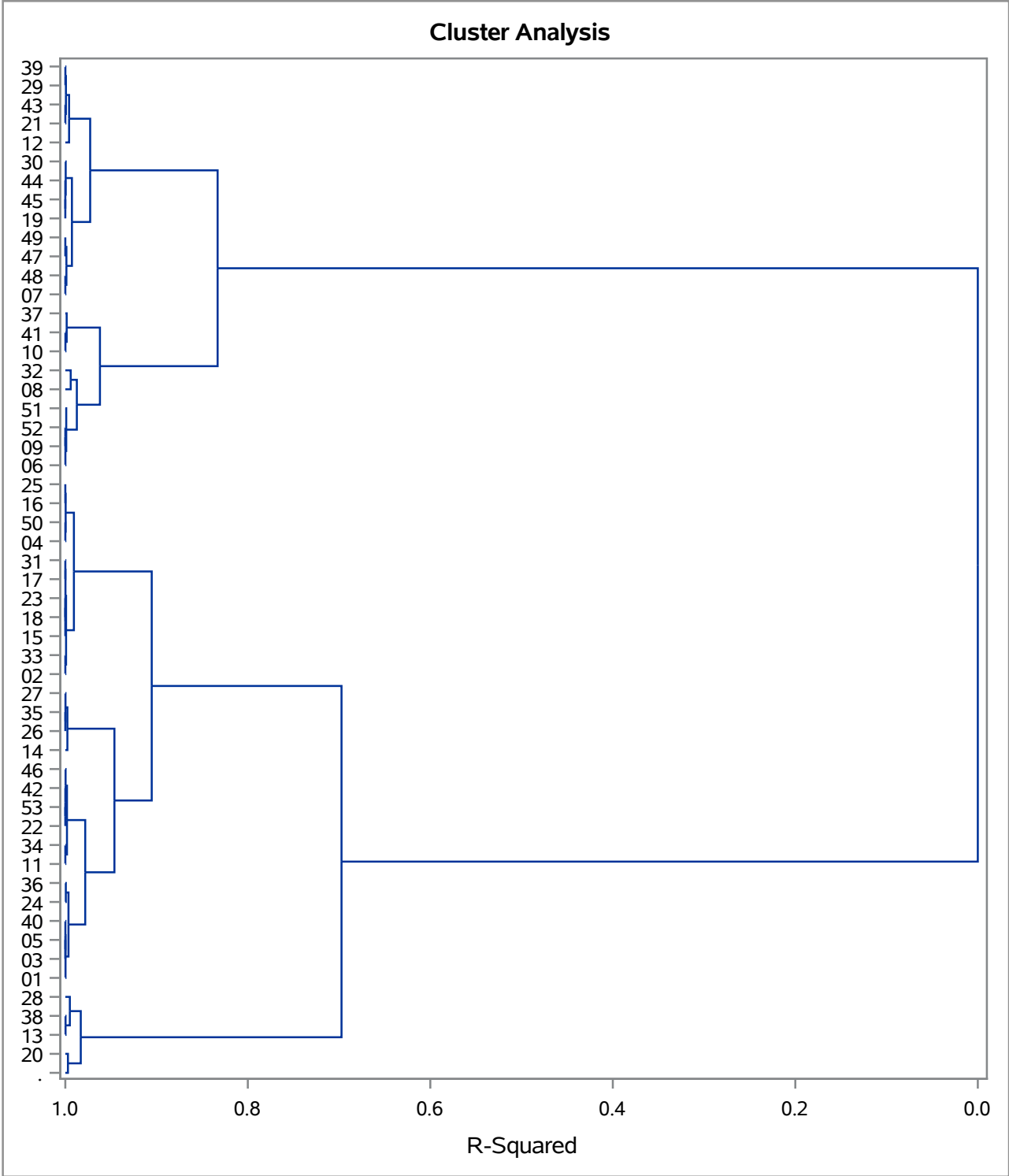
Root-Mean-Square Distance Between Observations	0.053893
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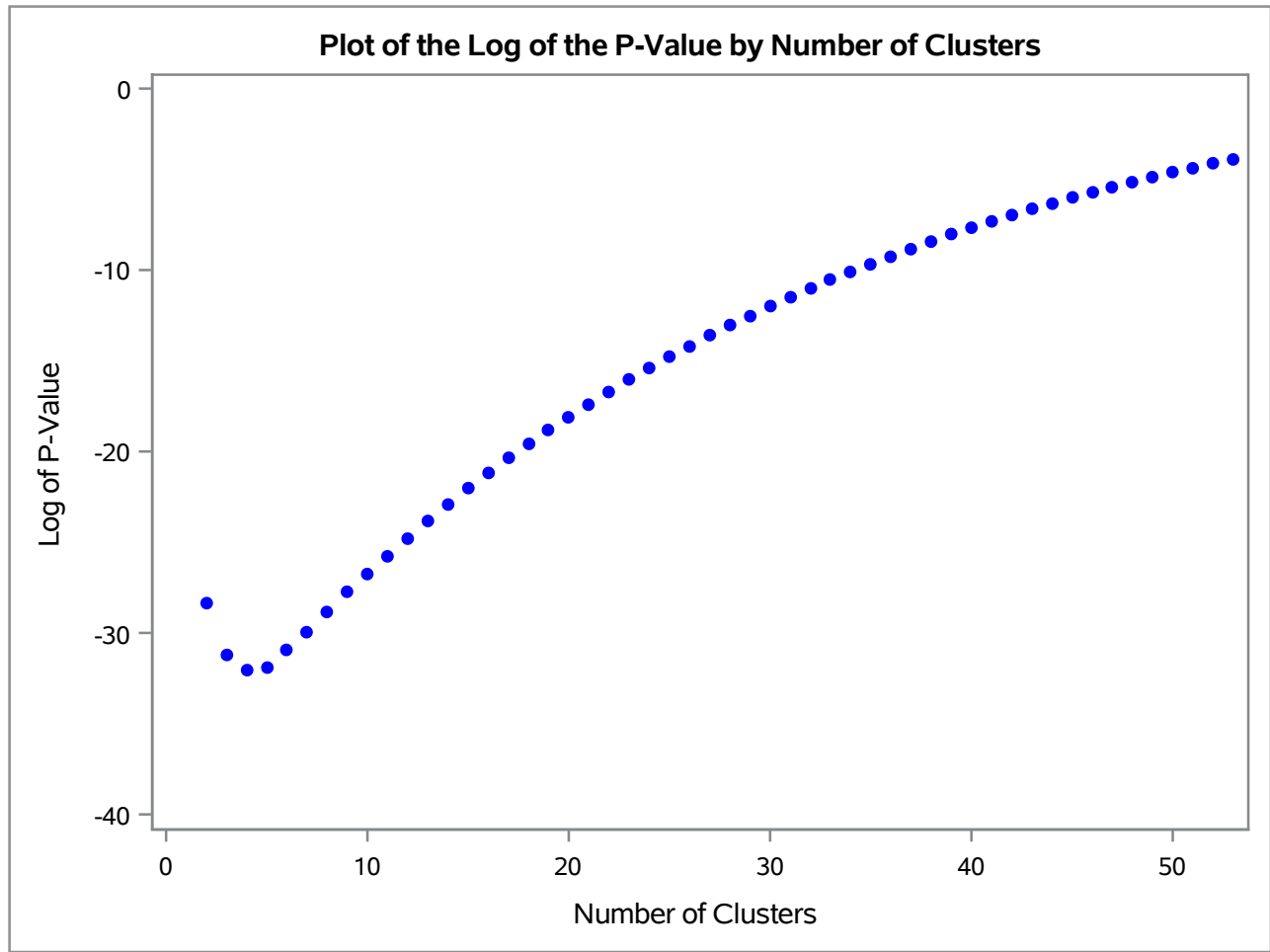
Cluster History						
Number of Clusters	Clusters Joined		Freq	Semipartial R-Square	R-Square	Tie
53	16	25	325	0.0000	1.00	
52	19	45	291	0.0000	1.00	
51	03	05	254	0.0000	1.00	
50	18	23	455	0.0000	1.00	
49	CL52	44	473	0.0000	1.00	
48	47	49	432	0.0000	1.00	
47	22	53	265	0.0000	1.00	
46	15	CL50	565	0.0000	1.00	
45	26	35	472	0.0000	1.00	
44	07	48	192	0.0000	1.00	
43	09	52	107	0.0000	1.00	
42	17	31	296	0.0000	1.00	
41	02	33	247	0.0000	1.00	
40	11	34	374	0.0000	1.00	
39	CL47	42	397	0.0000	1.00	
38	04	50	126	0.0000	1.00	
37	21	43	407	0.0000	1.00	
36	29	39	344	0.0000	1.00	
35	CL51	40	662	0.0000	1.00	
34	06	CL43	179	0.0000	1.00	
33	10	41	422	0.0000	1.00	
32	CL46	CL42	861	0.0000	1.00	
31	CL45	27	793	0.0000	1.00	
30	01	CL35	763	0.0000	1.00	
29	13	38	395	0.0000	1.00	
28	CL39	46	580	0.0000	1.00	
27	CL38	CL53	451	0.0001	1.00	

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Cluster History						
Number of Clusters	Clusters Joined		Freq	Semipartial R-Square	R-Square	Tie
26	CL49	30	735	0.0001	1.00	
25	24	36	769	0.0001	.999	
24	CL37	CL36	751	0.0001	.999	
23	CL41	CL32	1108	0.0002	.999	
22	CL34	51	413	0.0002	.999	
21	CL44	CL48	624	0.0002	.999	
20	CL33	37	521	0.0003	.999	
19	CL40	CL28	954	0.0003	.998	
18	14	CL31	1045	0.0005	.998	
17	.	20	407	0.0006	.997	
16	CL30	CL25	1532	0.0006	.997	
15	12	CL24	1062	0.0007	.996	
14	CL29	28	574	0.0008	.995	
13	08	32	261	0.0009	.994	
12	CL21	CL26	1359	0.0014	.993	
11	CL23	CL27	1559	0.0021	.991	
10	CL22	CL13	674	0.0032	.987	
9	CL17	CL14	981	0.0043	.983	
8	CL16	CL19	2486	0.0049	.978	
7	CL12	CL15	2421	0.0054	.973	
6	CL10	CL20	1195	0.0107	.962	
5	CL8	CL18	3531	0.0159	.946	
4	CL5	CL11	5090	0.0409	.905	
3	CL6	CL7	3616	0.0722	.833	
2	CL9	CL4	6071	0.1358	.697	
1	CL2	CL3	9687	0.6973	.000	

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Plot of the Log of the P-Value by Number of Clusters

Number of Clusters
4

Cluster Assignments

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CLUSNAME	CLUSTER_CODE	CLUSTER
CL4	16	1
	25	1
	03	1
	05	1
	18	1
	23	1
	22	1
	53	1
	15	1
	26	1
	35	1
	17	1
	31	1
	02	1
	33	1
	11	1
	34	1
	42	1
	04	1
	50	1
	40	1
	27	1
	01	1
	46	1
	24	1
	36	1
	14	1

CLUSNAME	CLUSTER_CODE	CLUSTER
CL6	09	3
	52	3
	06	3
	10	3
	41	3
	51	3
	37	3

Cluster Assignments

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CLUSNAME	CLUSTER_CODE	CLUSTER
CL6	08	3
	32	3

CLUSNAME	CLUSTER_CODE	CLUSTER
CL7	19	2
	45	2
	44	2
	47	2
	49	2
	07	2
	48	2
	21	2
	43	2
	29	2
	39	2
	30	2
	12	2

CLUSNAME	CLUSTER_CODE	CLUSTER
CL9	13	4
	38	4
	.	4
	20	4
	28	4