14045	2.55	1.32	-0.48	0.43	-0.52	0.56
14046	2.55	1.32	-0.48	0.43	-0.52	0.56
14047	2.55	1.32	-0.48	0.43	-0.52	0.56
14048	3.33	1.31	-0.35	0.79	0.17	0.44
14049	2.55	1.32	-0.48	0.43	-0.52	0.56
14050	1.29	0.33	-0.51	-0.73	0.32	0.09
14051	2.55	1.32	-0.48	0.43	-0.52	0.56
14052	1.33	-0.16	-0.06	1.95	-0.90	-0.06
14053	1.33	-0.16	-0.06	1.95	-0.90	-0.06
14054	1.33	-0.16	-0.06	1.95	-0.90	-0.06
14055	0.07	-1.15	-0.09	0.79	-0.06	-0.53
14056	-0.20	-0.78	-0.15	0.86	-0.02	-0.76
14057	0.43	0.71	-0.66	-0.94	-0.16	-0.05
14058	0.70	0.34	-0.60	-1.00	-0.20	0.18
14059	1.84	0.20	0.01	2.37	-0.18	-0.41
14060	2.11	-0.16	0.06	2.31	-0.21	-0.18
14061	1.96	1.33	-0.57	0.15	-1.03	0.65
14062	2.64	1.27	-0.11	-0.13	-1.32	0.24
14063	2.64	1.27	-0.11	-0.13	-1.32	0.24
14064	1.42	-0.21	0.31	1.39	-1.70	-0.38
14065	1.42	-0.21	0.31	1.39	-1.70	-0.38
14066	3.75	1.62	0.05	0.57	-0.08	-0.20
14067	2.54	1.42	1.03	-0.00	0.48	-0.15
14068	2.54	1.42	1.03	-0.00	0.48	-0.15
14069	2.28	0.41	1.27	0.59	0.26	-0.19
14070	3.44	1.54	1.11	0.51	0.03	0.31
14071	2.07	1.56	0.89	-0.13	-1.17	0.52
14072	2.64	1.27	-0.11	-0.13	-1.32	0.24
14073	2.64	1.27	-0.11	-0.13	-1.32	0.24
14074	2.64	1.27	-0.11	-0.13	-1.32	0.24
14075	2.64	1.27	-0.11	-0.13	-1.32	0.24
14076	2.64	1.27	-0.11	-0.13	-1.32	0.24

14065	1.01	-0.20	0.32	1.54	-2.12	-0.52
14066	2.66	1.54	0.05	0.63	-0.10	-0.28
14067	1.80	1.35	1.08	-0.01	0.61	-0.21
14068	1.80	1.35	1.08	-0.01	0.61	-0.21
14069	1.62	0.39	1.33	0.65	0.36	-0.26
14070	2.44	1.47	1.16	0.56	0.04	0.43
14071	1.46	1.49	0.93	-0.14	-1.46	0.72
14072	1.87	1.21	-0.11	-0.14	-1.65	0.33
14073	1.87	1.21	-0.11	-0.14	-1.65	0.33
14074	1.87	1.21	-0.11	-0.14	-1.65	0.33
14075	1.87	1.21	-0.11	-0.14	-1.65	0.33
14076	1.87	1.21	-0.11	-0.14	-1.65	0.33

OEIGEN VALUE(VARIANCE)

	1.99	1.10	0.92	0.82	0.64	0.53

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***** COEFFICIENT OF OV FACTOR ROADING FOR COMPONENT SCORE

COMP.NO.		1	2	3	4	5	6
O ALTITUD	1	0.003	-0.004	0.001	-0.001	-0.000	0.003
O BIOMASS	2	0.031	0.037	-0.011	-0.039	0.010	0.016
O SOILDEP	3	-0.019	0.010	0.033	0.000	0.005	0.009
O GEOLOGY	4	0.630	0.496	0.016	0.577	-0.418	0.234
O RAINFAL	5	0.001	-0.000	0.000	-0.000	-0.000	-0.000
O SLOPE %	6	0.031	-0.001	0.005	0.014	0.027	-0.005

OCORRECTION CONSTANT

	-4.738	-4.067	-8.197	0.088	0.962	-2.212

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***** COMPONENT SCORE

COMP.NO. DATA NO.	1	2	3	4	5	6
1	-0.63	-0.06	-3.55	-1.11	0.27	-0.22
2	-0.39	-0.06	-3.51	-1.00	0.48	-0.26
3	-1.15	-0.69	-3.37	-0.45	0.11	-0.49
4	-1.67	-0.65	-3.72	-0.24	0.32	-0.18
5	-1.67	-0.65	-3.72	-0.24	0.32	-0.18
6	-1.14	-0.01	-3.90	-0.89	0.49	0.09
7	-1.14	-0.01	-3.90	-0.89	0.49	0.09
8	-2.25	-0.35	-2.72	-0.24	0.47	0.11
9	-2.25	-0.35	-2.72	-0.24	0.47	0.11
10	-0.39	-0.06	-3.51	-1.00	0.48	-0.26
11	-0.14	-0.41	-3.29	0.20	-0.12	-0.16
12	-0.52	-0.20	-3.36	0.13	-0.31	-0.25
13	0.20	-0.07	-3.42	-0.72	1.00	-0.35
14	-1.15	-0.69	-3.37	-0.45	0.11	-0.49
15	-1.00	-0.91	-3.34	-0.49	0.09	-0.35
16	-1.15	-0.69	-3.37	-0.45	0.11	-0.49
17	-1.73	-0.40	-2.37	-0.45	0.26	-0.20
18	-1.21	0.24	-2.55	-1.10	0.42	0.06
19	0.61	-0.93	-3.08	0.26	1.49	-0.60

Output 3

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PRINCIPAL COMPONENT ANALYSIS

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0 ..... 123456789012345678901234567890123456789012345678901234567890123456789012345678901234 .....

0***** INPUT DATA

DATA NO.	ALTITUD	BIOMASS	SOILDEP	RAINFAL	SLOPE %	LANDCOV
1	12.50	39.50	15.00	750.00	1.00	8.00
2	12.50	39.50	15.00	750.00	8.50	8.00
3	12.50	22.50	15.00	750.00	1.00	8.00
4	12.50	22.50	15.00	0.0	1.00	8.00
5	12.50	22.50	15.00	0.0	1.00	8.00
6	12.50	39.50	15.00	0.0	1.00	8.00
7	12.50	39.50	15.00	0.0	1.00	8.00
8	12.50	22.50	45.00	0.0	1.00	8.00
9	12.50	22.50	45.00	0.0	1.00	9.00
10	12.50	39.50	15.00	750.00	8.50	10.00
11	62.50	22.50	15.00	750.00	8.50	8.00
12	12.50	22.50	15.00	750.00	1.00	8.00
13	12.50	39.50	15.00	750.00	27.50	8.00
14	12.50	22.50	15.00	750.00	1.00	8.00
15	62.50	22.50	15.00	750.00	1.00	8.00
16	12.50	22.50	15.00	750.00	1.00	8.00
17	12.50	22.50	45.00	750.00	1.00	8.00
18	12.50	39.50	45.00	750.00	1.00	8.00
19	62.50	22.50	15.00	750.00	52.50	8.00
20	12.50	22.50	45.00	750.00	1.00	8.00
21	12.50	22.50	45.00	750.00	1.00	8.00
22	150.00	39.50	15.00	750.00	27.50	8.00
23	62.50	22.50	15.00	750.00	27.50	8.00
24	12.50	39.50	15.00	750.00	1.00	8.00
25	62.50	39.50	15.00	750.00	27.50	8.00
26	12.50	39.50	15.00	750.00	1.00	8.00
27	62.50	39.50	15.00	750.00	27.50	8.00
28	12.50	22.50	15.00	750.00	8.50	8.00
29	12.50	39.50	15.00	750.00	1.00	9.00
30	12.50	39.50	15.00	750.00	52.50	10.00
31	12.50	39.50	45.00	750.00	1.00	8.00
32	12.50	22.50	15.00	750.00	1.00	8.00
33	62.50	22.50	15.00	750.00	52.50	8.00
34	12.50	22.50	15.00	750.00	8.50	8.00
35	12.50	22.50	45.00	750.00	1.00	7.00
36	150.00	39.50	15.00	750.00	1.00	8.00
37	62.50	22.50	15.00	750.00	27.50	8.00
38	150.00	22.50	15.00	750.00	27.50	8.00
39	62.50	39.50	15.00	750.00	27.50	8.00
40	62.50	39.50	15.00	750.00	1.00	8.00
41	12.50	39.50	15.00	750.00	27.50	8.00

	14067	62.50	39.50	105.00	3500.00	52.50	8.00
	14068	62.50	39.50	105.00	3500.00	52.50	8.00
	14069	150.00	22.50	105.00	3500.00	52.50	8.00
	14070	150.00	39.50	105.00	3500.00	52.50	10.00
	14071	150.00	39.50	105.00	3500.00	8.50	8.00
	14072	150.00	39.50	75.00	3500.00	8.50	8.00
	14073	150.00	39.50	75.00	3500.00	8.50	8.00
	14074	150.00	39.50	75.00	3500.00	8.50	10.00
	14075	150.00	39.50	75.00	3500.00	8.50	8.00
	14076	150.00	39.50	75.00	3500.00	8.50	8.00
0	TOTAL	1616725.000	297706.000	1256385.000	3233500.000	263732.500	100593.000
0	MEAN	114.857	21.150	89.257	2297.421	18.736	7.146
0	ST.DEV.	167.725	15.200	24.342	991.777	22.488	3.215
0	C.V.	1.460	0.722	0.273	0.432	1.200	0.450

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***** CORRELATION MATRIX

			ALTITUD 1	BIOMASS 2	SOILDEP 3	RAINFAL 4	SLOPE % 5	LANDCOV 6
0	ALTITUD	1	1.000	-0.018	-0.230	0.316	0.254	-0.339
0	BIOMASS	2	-0.018	1.000	-0.144	0.237	0.181	0.220
0	SOILDEP	3	-0.230	-0.144	1.000	-0.091	-0.192	0.010
0	RAINFAL	4	0.316	0.237	-0.091	1.000	0.311	0.076
0	SLOPE %	5	0.254	0.181	-0.192	0.311	1.000	0.108
0	LANDCOV	6	-0.339	0.220	0.010	0.076	0.108	1.000

***** VARIANCE CO-VARIANCE MATRIX

			ALTITUD 1	BIOMASS 2	SOILDEP 3	RAINFAL 4	SLOPE % 5	LANDCOV 6
0	ALTITUD	1	0.2810+05	-0.4620+02	-0.9380+03	0.5250+05	0.9590+03	-0.1830+03
0	BIOMASS	2	-0.4620+02	0.2337+03	-0.5350+02	0.3590+04	0.6200+02	0.1030+02
0	SOILDEP	3	-0.9380+03	-0.5350+02	0.5930+03	-0.2210+04	-0.1050+03	0.7580+00
0	RAINFAL	4	0.5250+05	0.3590+04	-0.2210+04	0.9840+06	0.6930+04	0.2430+03
0	SLOPE %	5	0.9590+03	0.6200+02	-0.1050+03	0.6930+04	0.5060+03	0.7840+01
0	LANDCOV	6	-0.1830+03	0.1030+02	0.7580+00	0.2430+03	0.7840+01	0.1030+02

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***** ORIGINAL MATRIX FOR P.C.A IS CORRELATION MATRIX . *****

0***** VARIABLE SELECTION

ALTITUD BIOMASS SOILDEP RAINFAL SLOPE % LANDCOV

0***** DIAGONAL MATRIX (CHECK MATRIX FOR EIGEN VALUE)

		1	2	3	4	5	6
0	1	0.1410+01	0.8910-06	0.2700-11	0.6340-10	0.1070-12	-0.5440-07
0	2	0.8910-06	0.7710+00	0.8550-10	-0.2360-05	0.1790-09	0.3540-15
0	3	0.2700-11	0.8550-10	0.9160+00	-0.1550-08	-0.1740-06	0.1550-06
0	4	0.6340+10	-0.2360-05	-0.1550-08	0.6350+00	0.9210-15	0.3320-10
0	5	0.1070-12	0.1790-09	-0.1740-06	0.9210-15	0.1800+01	0.0

0 6 -0.544D-07 0.354D-15 0.155D-06 0.332D-10 0.0 0.461D+00
1

***** EIGEN VALUE AND ITS CONTRIBUTION

	EIGEN VALUE	CONTRIBUTION RATIO	CUMULATIVE CONTRIBUTION
1	1.803	0.30043	0.30043
2	1.414	0.23571	0.53614
3	0.916	0.15265	0.68880
4	0.771	0.12847	0.81726
5	0.635	0.10589	0.92316
6	0.461	0.07684	1.00000

0***** EIGEN VECTOR

COMP.NO.		1	2	3	4	5	6
0 ALTITUD	1	0.464	0.506	0.095	0.059	0.064	0.716
0 BIOMASS	2	0.329	-0.469	-0.113	0.697	-0.402	-0.112
0 SOILDEP	3	-0.374	-0.065	0.852	0.070	-0.292	0.197
0 RAINFAL	4	0.522	-0.082	0.489	0.155	0.540	-0.407
0 SLOPE %	5	0.514	-0.110	0.111	-0.600	-0.569	-0.169
0 LANDCOV	6	0.008	-0.708	-0.010	-0.350	0.365	0.493

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***** FACTOR LOADING

COMP.NO.		1	2	3	4	5	6
0 ALTITUD	1	0.623	0.602	0.090	0.052	0.051	0.486
0 BIOMASS	2	0.441	-0.558	-0.108	0.612	-0.320	0.076
0 SOILDEP	3	-0.503	-0.077	0.816	0.062	-0.233	0.134
0 RAINFAL	4	0.701	-0.097	0.468	0.136	0.431	-0.276
0 SLOPE %	5	0.690	-0.131	0.106	-0.526	-0.453	-0.115
0 LANDCOV	6	0.011	-0.842	-0.009	-0.307	0.291	0.334

0***** CUMULATIVE CONTRIBUTION OF K-COMPONENTS TO ORIGINAL VARIABLE

COMP.NO.		1	2	3	4	5	6
0 ALTITUD	1	0.388	0.750	0.759	0.761	0.764	1.000
0 BIOMASS	2	0.195	0.505	0.518	0.892	0.994	1.000
0 SOILDEP	3	0.253	0.259	0.924	0.928	0.982	1.000
0 RAINFAL	4	0.491	0.500	0.720	0.738	0.924	1.000
0 SLOPE %	5	0.476	0.493	0.504	0.781	0.937	1.000
0 LANDCOV	6	0.000	0.709	0.709	0.803	0.898	1.000

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***** COEFFICIENT OF ORIGINAL VARIABLE FOR COMPONENT SCORE

COMP.NO.	1	2	3	4	5	6

0 ALTITUD	1	0.003	0.003	0.001	0.000	0.000	0.004
0 BIOMASS	2	0.022	-0.031	-0.007	0.046	-0.026	0.007
0 SOILDEP	3	-0.015	-0.003	0.035	0.003	-0.012	0.008
0 RAINFAL	4	0.001	-0.003	0.000	0.000	0.001	-0.000
0 SLOPE	5	0.023	-0.005	0.005	-0.027	-0.025	-0.008
0 LANDCOV	6	0.003	-0.220	-0.003	-0.109	0.114	0.153
0CORRECTION CONSTANT							
		-1.056	2.397	-4.238	-0.345	-0.005	-1.377

***** COMPONENT SCORE

COMP.NO. / DATA NO.	1	2	3	4	5	6
1	0.04	-0.65	-3.65	0.73	0.07	-0.00
2	0.21	-0.69	-3.61	0.53	-0.12	-0.06
3	-0.33	-0.13	-3.52	-0.05	0.52	-0.13
4	-0.72	-0.05	-3.89	-0.17	0.11	0.18
5	-0.72	-0.06	-3.89	-0.17	0.11	0.18
6	-0.36	-0.59	-4.02	0.61	-0.34	0.30
7	-0.36	-0.59	-4.02	0.61	-0.34	0.30
8	-1.19	-0.14	-2.84	-0.08	-0.25	0.42
9	-1.18	-0.36	-2.84	-0.19	-0.14	0.58
10	0.21	-1.12	-3.52	0.31	0.11	0.25
11	-0.02	-0.01	-3.46	-0.23	0.35	0.03
12	-0.33	-0.13	-3.52	-0.05	0.52	-0.13
13	0.64	-0.78	-3.52	0.02	-0.60	-0.20
14	-0.33	-0.13	-3.52	-0.05	0.52	-0.13
15	-0.19	0.03	-3.49	-0.03	0.54	0.09
16	-0.33	-0.13	-3.52	-0.05	0.52	-0.13
17	-0.79	-0.21	-2.47	0.04	0.16	0.11
18	-0.42	-0.73	-2.60	0.81	-0.29	0.24
19	0.99	-0.23	-3.24	-1.41	-0.76	-0.30
20	-0.79	-0.21	-2.47	0.04	0.16	0.11
21	-0.79	-0.21	-2.47	0.04	0.16	0.11
22	1.02	-0.36	-3.44	0.07	-0.55	0.38
23	0.41	-0.10	-3.36	-0.74	-0.13	-0.11
24	0.04	-0.65	-3.65	0.73	0.07	-0.00
25	0.78	-0.63	-3.49	0.04	-0.58	0.01
26	0.04	-0.65	-3.65	0.73	0.07	-0.00
27	0.78	-0.63	-3.49	0.04	-0.58	0.01
28	-0.16	-0.16	-3.48	-0.25	0.33	-0.18
29	0.04	-0.87	-3.65	0.62	0.19	0.15
30	1.22	-1.34	-3.45	-0.87	-1.00	-0.08
31	-0.42	-0.73	-2.60	0.81	-0.29	0.24
32	-0.33	-0.13	-3.52	-0.05	0.52	-0.13
33	0.99	-0.23	-3.24	-1.41	-0.76	-0.30
34	-0.16	-0.16	-3.48	-0.25	0.33	-0.18
35	-0.79	0.01	-2.47	0.14	0.05	-0.04
36	0.42	-0.23	-3.57	0.77	0.12	0.58
37	0.41	-0.10	-3.36	-0.74	-0.13	-0.11
38	0.66	0.16	-3.31	-0.71	-0.10	0.26
39	0.78	-0.63	-3.49	0.04	-0.58	0.01

14065	0.24	2.32	0.24	0.24	0.84	-1.63
14066	1.88	-1.14	0.09	-0.03	-0.43	-0.82
14067	1.41	-1.22	1.14	0.06	-0.79	-0.58
14068	1.41	-1.22	1.14	0.06	-0.79	-0.58
14069	1.29	-0.43	1.32	-0.69	-0.31	-0.33
14070	1.66	-1.39	1.19	-0.13	-0.53	0.10
14071	0.65	-0.74	0.98	1.26	0.35	0.13
14072	1.11	-0.65	-0.07	1.18	0.71	-0.12
14073	1.11	-0.66	-0.07	1.18	0.71	-0.12
14074	1.12	-1.15	-0.08	0.96	0.94	0.19
14075	1.11	-0.66	-0.07	1.18	0.71	-0.12
14076	1.11	-0.65	-0.07	1.18	0.71	-0.12

OEIGEN VALUE(VARIANCE)

1.80	1.41	0.92	0.77	0.64	0.46

***** COEFFICIENT OF UV FACTOR ROADING FOR COMPONENT SCORE

COMP.NO.		1	2	3	4	5	6
0 ALTITUD	1	0.004	0.004	0.001	0.000	0.000	0.003
0 BIOMASS	2	0.029	-0.037	-0.007	0.040	-0.021	0.005
0 SOILDEP	3	-0.021	-0.003	0.034	0.003	-0.010	0.005
0 RAINFAL	4	0.001	-0.000	0.000	0.000	0.000	-0.000
0 SLOPE %	5	0.031	-0.006	0.005	-0.023	-0.020	-0.005
0 LANDCOV	6	0.003	-0.262	-0.003	-0.096	0.091	0.104

OCORRECTION CONSTANT

-2.474	5.247	-0.294	-0.647	-0.010	-2.312

***** COMPONENT SCORE

COMP.NO. / DATA NO.	1	2	3	4	5	6
1	0.05	-0.77	-3.49	0.64	0.06	-0.00
2	0.28	-0.81	-3.45	0.46	-0.09	-0.04
3	-0.44	-0.15	-3.37	-0.04	0.41	-0.09
4	-0.97	-0.08	-3.72	-0.15	0.09	0.12
5	-0.97	-0.08	-3.72	-0.15	0.09	0.12
6	-0.48	-0.70	-3.84	0.53	-0.27	0.21
7	-0.48	-0.70	-3.84	0.53	-0.27	0.21
8	-1.59	-0.17	-2.72	-0.07	-0.20	0.29
9	-1.59	-0.43	-2.72	-0.17	-0.11	0.39
10	0.29	-1.34	-3.46	0.27	0.09	0.17
11	-0.03	-0.31	-3.31	-0.20	0.28	0.02
12	-0.44	-0.15	-3.37	-0.04	0.41	-0.09
13	0.86	-0.92	-3.37	0.02	-0.46	-0.14
14	-0.44	-0.15	-3.37	-0.04	0.41	-0.09
15	-0.28	0.03	-3.54	-0.03	0.43	0.06
16	-0.44	-0.15	-3.37	-0.04	0.41	-0.09
17	-1.06	-0.24	-2.36	0.03	0.13	0.08
18	-0.57	-0.37	-2.48	0.71	-0.23	0.16
19	1.32	-0.27	-3.10	-1.23	-0.61	-0.20

14045	1.38	-1.58	-0.46	0.16	0.02	0.41
14046	1.38	-1.58	-0.46	0.16	0.02	0.41
14047	1.37	-0.79	-0.45	0.45	-0.25	0.10
14048	2.14	-0.94	-0.34	-0.13	-0.75	-0.03
14049	1.37	-0.79	-0.45	0.45	-0.25	0.10
14050	1.38	-1.58	-0.46	0.16	0.02	0.41
14051	1.37	-1.06	-0.46	0.36	-0.16	0.21
14052	0.24	0.13	-0.18	-1.32	0.76	0.11
14053	0.23	0.65	-0.18	-1.13	0.58	-0.09
14054	0.23	0.39	-0.18	-1.23	0.67	0.01
14055	0.24	-0.14	-0.18	-1.42	0.85	0.22
14056	-0.09	-0.45	-0.23	-1.45	0.82	-0.04
14057	0.43	1.10	-0.57	1.63	-0.62	-0.89
14058	0.79	-1.21	-0.55	0.70	0.31	0.41
14059	0.68	-0.59	-0.11	-2.03	0.32	-0.16
14060	1.00	-0.92	-0.05	-1.91	0.26	-0.01
14061	0.79	-0.94	-0.55	0.80	0.22	0.30
14062	1.49	-0.78	-0.07	1.03	0.57	-0.08
14063	1.50	-1.30	-0.08	0.84	0.75	0.13
14064	0.36	0.14	0.20	-0.74	1.58	-0.07
14065	0.32	2.76	0.23	0.21	0.67	-1.11
14066	2.52	-1.35	0.09	-0.02	-0.35	-0.56
14067	1.90	-1.45	1.09	0.05	-0.63	-0.39
14068	1.99	-1.45	1.09	0.05	-0.63	-0.39
14069	1.75	-0.51	1.26	-0.60	-0.25	-0.22
14070	2.23	-1.55	1.14	-0.11	-0.43	0.07
14071	0.87	-0.88	0.93	1.11	0.28	0.09
14072	1.49	-0.78	-0.07	1.03	0.57	-0.08
14073	1.49	-0.78	-0.07	1.03	0.57	-0.08
14074	1.50	-1.30	-0.08	0.84	0.75	0.13
14075	1.49	-0.78	-0.07	1.03	0.57	-0.08
14076	1.49	-0.78	-0.07	1.03	0.57	-0.08

Output 4

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PRINCIPAL COMPONENT ANALYSIS

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0***** INPUT DATA

DATA NO.	ALTITUD	BIOMASS	SOILDEP	GEOLOGY	RAINFAL	SLOPE %	LANDCOV
1	12.50	39.50	15.00	1.00	750.00	1.00	8.00
2	12.50	39.50	15.00	1.00	750.00	8.50	8.00
3	12.50	22.50	15.00	1.00	750.00	1.00	8.00
4	12.50	22.50	15.00	1.00	0.0	1.00	8.00
5	12.50	22.50	15.00	1.00	0.0	1.00	8.00
6	12.50	39.50	15.00	1.00	0.0	1.00	8.00
7	12.50	39.50	15.00	1.00	0.0	1.00	8.00
8	12.50	22.50	45.00	1.00	0.0	1.00	8.00
9	12.50	22.50	45.00	1.00	0.0	1.00	9.00
10	12.50	39.50	15.00	1.00	750.00	8.50	10.00
11	62.50	22.50	15.00	2.00	750.00	8.50	8.00
12	12.50	22.50	15.00	2.00	750.00	1.00	8.00
13	12.50	39.50	15.00	1.00	750.00	27.50	8.00
14	12.50	22.50	15.00	1.00	750.00	1.00	8.00
15	62.50	22.50	15.00	1.00	750.00	1.00	8.00
16	12.50	22.50	15.00	1.00	750.00	1.00	8.00
17	12.50	22.50	45.00	1.00	750.00	1.00	8.00
18	12.50	39.50	45.00	1.00	750.00	1.00	8.00
19	62.50	22.50	15.00	1.00	750.00	52.50	8.00
20	12.50	22.50	45.00	2.00	750.00	1.00	8.00
21	12.50	22.50	45.00	1.00	750.00	1.00	8.00
22	150.00	39.50	15.00	2.00	750.00	27.50	8.00
23	62.50	22.50	15.00	2.00	750.00	27.50	8.00
24	12.50	39.50	15.00	2.00	750.00	1.00	8.00
25	62.50	39.50	15.00	2.00	750.00	27.50	8.00
26	12.50	39.50	15.00	1.00	750.00	1.00	8.00
27	62.50	39.50	15.00	1.00	750.00	27.50	8.00
28	12.50	22.50	15.00	1.00	750.00	8.50	8.00
29	12.50	39.50	15.00	2.00	750.00	1.00	9.00
30	12.50	39.50	15.00	2.00	750.00	52.50	10.00
31	12.50	39.50	45.00	1.00	750.00	1.00	8.00
32	12.50	22.50	15.00	1.00	750.00	1.00	8.00
33	62.50	22.50	15.00	1.00	750.00	52.50	8.00
34	12.50	22.50	15.00	2.00	750.00	8.50	8.00
35	12.50	22.50	45.00	2.00	750.00	1.00	7.00
36	150.00	39.50	15.00	2.00	750.00	1.00	8.00
37	62.50	22.50	15.00	2.00	750.00	27.50	8.00
38	150.00	22.50	15.00	2.00	750.00	27.50	8.00
39	62.50	39.50	15.00	2.00	750.00	27.50	8.00
40	62.50	39.50	15.00	2.00	750.00	1.00	8.00
41	12.50	39.50	15.00	2.00	750.00	27.50	8.00

14067	62.50	39.50	105.00	3.00	3500.00	52.50	8.00	
14068	62.50	39.50	105.00	3.00	3500.00	52.50	8.00	
14069	150.00	22.50	105.00	3.00	3500.00	52.50	8.00	
14070	150.00	39.50	105.00	4.00	3500.00	52.50	10.00	
14071	150.00	39.50	105.00	4.00	3500.00	8.50	8.00	
14072	150.00	39.50	75.00	4.00	3500.00	8.50	8.00	
14073	150.00	39.50	75.00	4.00	3500.00	8.50	8.00	
14074	150.00	39.50	75.00	4.00	3500.00	8.50	10.00	
14075	150.00	39.50	75.00	4.00	3500.00	8.50	8.00	
14076	150.00	39.50	75.00	4.00	3500.00	8.50	8.00	
0 TOTAL	1616725.000	297706.000	1256385.000	29715.000	32338500.000	263732.500	100593.000	
0 MEAN	114.857	21.150	89.257	2.111	2297.421	18.736	7.146	
0 ST.DEV.	167.725	15.260	24.342	0.911	991.777	22.488	3.215	
0 C.V.	1.460	0.722	0.273	0.431	0.432	1.200	0.450	

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***** CORRELATION MATRIX

		ALTITUD 1	BIOMASS 2	SOILDEP 3	GEOLOGY 4	RAINFAL 5	SLOPE % 6	LANDCOV 7
0 ALTITUD	1	1.000	-0.018	-0.230	0.033	0.316	0.254	-0.339
0 BIOMASS	2	-0.018	1.000	-0.144	0.213	0.237	0.181	0.220
0 SOILDEP	3	-0.230	-0.144	1.000	-0.144	-0.091	-0.192	0.010
0 GEOLOGY	4	0.033	0.213	-0.144	1.000	0.241	0.314	0.156
0 RAINFAL	5	0.316	0.237	-0.091	0.241	1.000	0.311	0.076
0 SLOPE %	6	0.254	0.181	-0.192	0.314	0.311	1.000	0.108
0 LANDCOV	7	-0.339	0.220	0.010	0.156	0.076	0.108	1.000

***** VARIANCE CO-VARIANCE MATRIX

		ALTITUD 1	BIOMASS 2	SOILDEP 3	GEOLOGY 4	RAINFAL 5	SLOPE % 6	LANDCOV 7
0 ALTITUD	1	0.2810D+05	-0.4620D+02	-0.9380D+03	0.4990D+01	0.5250D+05	0.9590D+03	-0.1830D+03
0 BIOMASS	2	-0.4620D+02	0.2330D+03	-0.5350D+02	0.2970D+01	0.3590D+04	0.6200D+02	0.1080D+02
0 SOILDEP	3	-0.9380D+03	-0.5350D+02	0.5930D+03	-0.3180D+01	-0.2210D+04	-0.1050D+03	0.7580D+00
0 GEOLOGY	4	0.4990D+01	0.2970D+01	-0.3180D+01	0.8300D+00	0.2180D+03	0.6430D+01	0.4570D+00
0 RAINFAL	5	0.5250D+05	0.3590D+04	-0.2210D+04	0.2180D+03	0.9840D+06	0.6930D+04	0.2430D+03
0 SLOPE %	6	0.9590D+03	0.6200D+02	-0.1050D+03	0.6430D+01	0.6930D+04	0.5060D+03	0.7840D+01
0 LANDCOV	7	-0.1830D+03	0.1080D+02	0.7580D+00	0.4570D+00	0.2430D+03	0.7840D+01	0.1030D+02

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***** ORIGINAL MATRIX FOR P.C.A IS CORRELATION MATRIX . *****

0***** VARIABLE SELECTION

ALTITUD BIOMASS SOILDEP GEOLOGY RAINFAL SLOPE % LANDCOV

0***** DIAGONAL MATRIX (CHECK MATRIX FOR EIGEN VALUE)

	1	2	3	4	5	6	7
0 1	0.1470+01	-0.3610-08	0.6990-14	0.4360-15	0.8290-10	0.4850-09	0.1060-13
0 2	-0.3610-08	0.8175+00	-0.1820-07	0.2120-09	0.4710-10	0.2690-06	0.0
0 3	0.6990-14	-0.1820-07	0.9160+00	-0.6900-11	-0.7650-06	0.1010-09	0.3750-08

0	4	0.4380-15	0.2120-09	-0.6000-11	0.7100+00	0.2610-07	0.0	0.4920-11
0	5	0.8290-10	0.4710-10	-0.7650-06	0.2610-07	0.6270+00	-0.2190-13	-0.1330-12
0	6	0.4850-09	0.2690-08	-0.1010-09	0.0	-0.2190-13	0.2010+01	-0.3370-07
0	7	0.1060-13	0.0	0.3750-08	0.4920-11	-0.1330-12	-0.3370-07	0.4520+00

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***** EIGEN VALUE AND ITS CONTRIBUTION

	EIGEN VALUE	CONTRIBUTION RATIO	CUMULATIVE CONTRIBUTION
1	2.005	0.28643	0.28643
2	1.471	0.21011	0.49654
3	0.916	0.13089	0.62743
4	0.819	0.11705	0.74448
5	0.710	0.10136	0.84584
6	0.627	0.08960	0.93544
7	0.452	0.06456	1.00000

0***** EIGEN VECTOR

COMP.NO.		1	2	3	4	5	6	7
0 ALTITUD	1	0.314	0.614	0.090	0.116	-0.085	0.007	0.704
0 BIOMASS	2	0.359	-0.332	-0.138	0.670	0.376	-0.379	0.085
0 SOILDEP	3	-0.321	-0.163	0.856	0.002	0.156	-0.265	0.202
0 GEOLOGY	4	0.422	-0.220	0.039	-0.558	0.615	0.236	0.163
0 RAINFAL	5	0.477	0.074	0.474	0.302	-0.145	0.511	-0.411
0 SLOPE %	6	0.498	0.023	0.113	-0.366	-0.362	-0.647	-0.234
0 LANDCOV	7	0.125	-0.656	-0.021	-0.023	-0.546	0.222	0.455

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***** FACTOR ROADING

COMP.NO.		1	2	3	4	5	6	7
0 ALTITUD	1	0.445	0.744	0.087	0.105	-0.072	0.006	0.473
0 BIOMASS	2	0.509	-0.402	-0.135	0.607	0.316	-0.301	0.057
0 SOILDEP	3	-0.455	-0.204	0.820	0.002	0.131	-0.210	0.135
0 GEOLOGY	4	0.597	-0.267	0.038	-0.505	0.518	0.187	0.104
0 RAINFAL	5	0.676	0.089	0.454	0.273	-0.122	0.405	-0.276
0 SLOPE %	6	0.705	0.028	0.108	-0.331	-0.305	-0.513	-0.157
0 LANDCOV	7	0.177	-0.795	-0.020	-0.020	-0.460	0.176	0.306

0***** CUMULATIVE CONTRIBUTION OF K-COMPONENTS TO ORIGINAL VARIABLE

COMP.NO.		1	2	3	4	5	6	7
0 ALTITUD	1	0.198	0.752	0.760	0.771	0.776	0.776	1.000
0 BIOMASS	2	0.259	0.420	0.438	0.806	0.906	0.997	1.000
0 SOILDEP	3	0.207	0.248	0.920	0.920	0.937	0.982	1.000
0 GEOLOGY	4	0.356	0.423	0.423	0.585	0.953	0.988	1.000

0 RAINFAL	5	0.456	0.464	0.670	0.745	0.760	0.924	1.000
0 SLOPE %	6	0.497	0.498	0.510	0.619	0.712	0.975	1.000
0 LANDCOV	7	0.031	0.664	0.664	0.665	0.876	0.907	1.000

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***** COEFFICIENT OF ORIGINAL VARIABLE FOR COMPONENT SCORE

COMP.NO.		1	2	3	4	5	6	7
0 ALTITUD	1	0.002	0.004	0.001	0.001	-0.001	0.000	0.004
0 BIOMASS	2	0.024	-0.022	-0.009	0.044	0.025	-0.025	0.006
0 SOILDEP	3	-0.013	-0.007	0.035	0.000	0.006	-0.011	0.008
0 GEOLOGY	4	0.463	-0.242	0.043	-0.613	0.615	0.259	0.179
0 RAINFAL	5	0.000	0.000	0.000	0.000	-0.000	0.001	-0.000
0 SLOPE %	6	0.022	0.001	0.005	-0.016	-0.016	-0.029	-0.010
0 LANDCOV	7	0.039	-0.204	-0.007	-0.007	-0.170	0.069	0.141
0CORRECTION CONSTANT								
		-2.310	2.436	-4.246	-0.067	-0.609	-0.192	-1.580

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***** COMPONENT SCORE

COMP.NO. DATA NO.	1	2	3	4	5	6	7
1	-0.40	-0.30	-3.72	1.22	-0.35	-0.17	-0.19
2	-0.23	-0.29	-3.68	1.10	-0.48	-0.38	-0.27
3	-0.60	0.07	-3.56	0.47	-0.77	0.25	-0.29
4	-1.16	0.02	-3.92	0.25	-0.66	-0.13	0.02
5	-1.16	0.02	-3.92	0.25	-0.66	-0.13	0.02
6	-0.76	-0.35	-4.07	0.99	-0.25	-0.55	0.12
7	-0.76	-0.35	-4.07	0.99	-0.25	-0.55	0.12
8	-1.56	-0.19	-2.86	0.25	-0.47	-0.46	0.27
9	-1.52	-0.40	-2.87	0.24	-0.64	-0.39	0.41
10	-0.16	-3.70	-3.69	1.08	-0.81	-0.25	0.01
11	-0.08	3.02	-3.45	-0.23	-0.24	0.30	0.02
12	-0.34	-0.17	-3.52	-0.14	-0.10	0.51	-0.11
13	0.19	-0.27	-3.58	0.79	-0.78	-0.93	-0.47
14	-0.80	0.07	-3.56	0.47	-0.77	0.25	-0.29
15	-0.71	0.25	-3.53	0.51	-0.80	0.26	-0.06
16	-0.80	0.07	-3.56	0.47	-0.77	0.25	-0.29
17	-1.19	-0.14	-2.51	0.48	-0.58	-0.07	-0.04
18	-0.79	-0.51	-2.66	1.22	-0.16	-0.49	0.05
19	0.44	0.31	-3.28	-0.53	-1.63	-1.23	-0.62
20	-0.73	-0.38	-2.46	-0.14	0.09	0.19	0.14
21	-1.19	-0.14	-2.51	0.48	-0.58	-0.07	-0.04
22	0.91	-0.01	-3.43	0.27	-0.18	-0.67	0.29
23	0.34	0.04	-3.36	-0.54	-0.55	-0.25	-0.18
24	0.06	-3.54	-3.67	0.61	0.32	0.09	-0.02
25	0.74	-0.33	-3.51	0.21	-0.13	-0.67	-0.08
26	-0.40	-0.30	-3.72	1.22	-0.35	-0.17	-0.19
27	0.28	-0.09	-3.56	0.82	-0.81	-0.93	-0.26
28	-0.63	0.08	-3.52	0.35	-0.89	0.04	-0.37
29	0.10	-0.74	-3.68	0.60	0.15	0.16	0.13
30	1.26	-0.59	-3.43	-0.24	-0.85	-1.25	-0.27

14057	0	1.00	-0.61	1.12	1.66	-0.43	-1.24
14058	0.62	-0.72	-0.63	1.11	-0.08	0.27	0.54
14059	1.46	-0.83	-0.02	-2.64	-0.54	0.57	-0.01
14060	1.59	-0.39	0.04	-2.57	-0.41	0.50	0.22
14061	1.50	-1.00	-0.53	-0.11	1.44	0.72	0.75
14062	1.95	-0.72	-0.05	0.20	1.46	1.16	0.20
14063	2.02	-1.13	-0.06	0.18	1.12	1.30	0.48
14064	1.09	-0.27	0.30	-1.55	0.15	2.28	0.26
14065	0.71	1.77	0.36	-1.48	1.85	1.59	-1.15
14066	2.76	-1.00	0.12	-0.58	0.80	-0.11	-0.63
14067	1.90	-0.96	1.14	0.04	0.32	-0.69	-0.56
14068	1.90	-0.96	1.14	0.04	0.32	-0.69	-0.56
14069	1.66	-0.27	1.34	-0.65	-0.15	-0.27	-0.28
14070	2.60	-1.29	1.21	-0.53	0.61	-0.29	0.27
14071	1.55	-0.93	1.01	0.20	1.65	0.84	0.45
14072	1.95	-0.72	-0.05	0.20	1.46	1.16	0.20
14073	1.95	-0.72	-0.05	0.20	1.46	1.16	0.20
14074	2.02	-1.13	-0.06	0.18	1.12	1.30	0.48
14075	1.95	-0.72	-0.05	0.20	1.46	1.16	0.20
14076	1.95	-0.72	-0.05	0.20	1.46	1.16	0.20

OEIGEN VALUE(VARIANCE)

	2.01	1.47	0.92	0.82	0.71	0.63	0.45

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***** COEFFICIENT OF UV FACTOR ROADING FOR COMPONENT SCORE

COMP.NO.		1	2	3	4	5	6	7
0 ALTITUD	1	0.003	0.004	0.001	0.001	-0.000	0.000	0.003
0 BIOMASS	2	0.033	-0.026	-0.009	0.040	0.021	-0.020	0.004
0 SOILDEP	3	-0.019	-0.008	0.034	0.000	0.005	-0.009	0.006
0 GEOLOGY	4	0.656	-0.294	0.041	-0.555	0.569	0.205	0.120
0 RAINFAL	5	0.001	0.000	0.000	0.000	-0.000	0.000	-0.000
0 SLOPE_S	6	0.031	0.001	0.005	-0.015	-0.014	-0.023	-0.007
0 LANDCOV	7	0.055	-0.247	-0.006	-0.006	-0.143	0.055	0.095

OCORRECTION CONSTANT

	-5.582	5.390	-8.310	-0.128	-1.121	-0.344	-2.643

1

***** COMPONENT SCORE

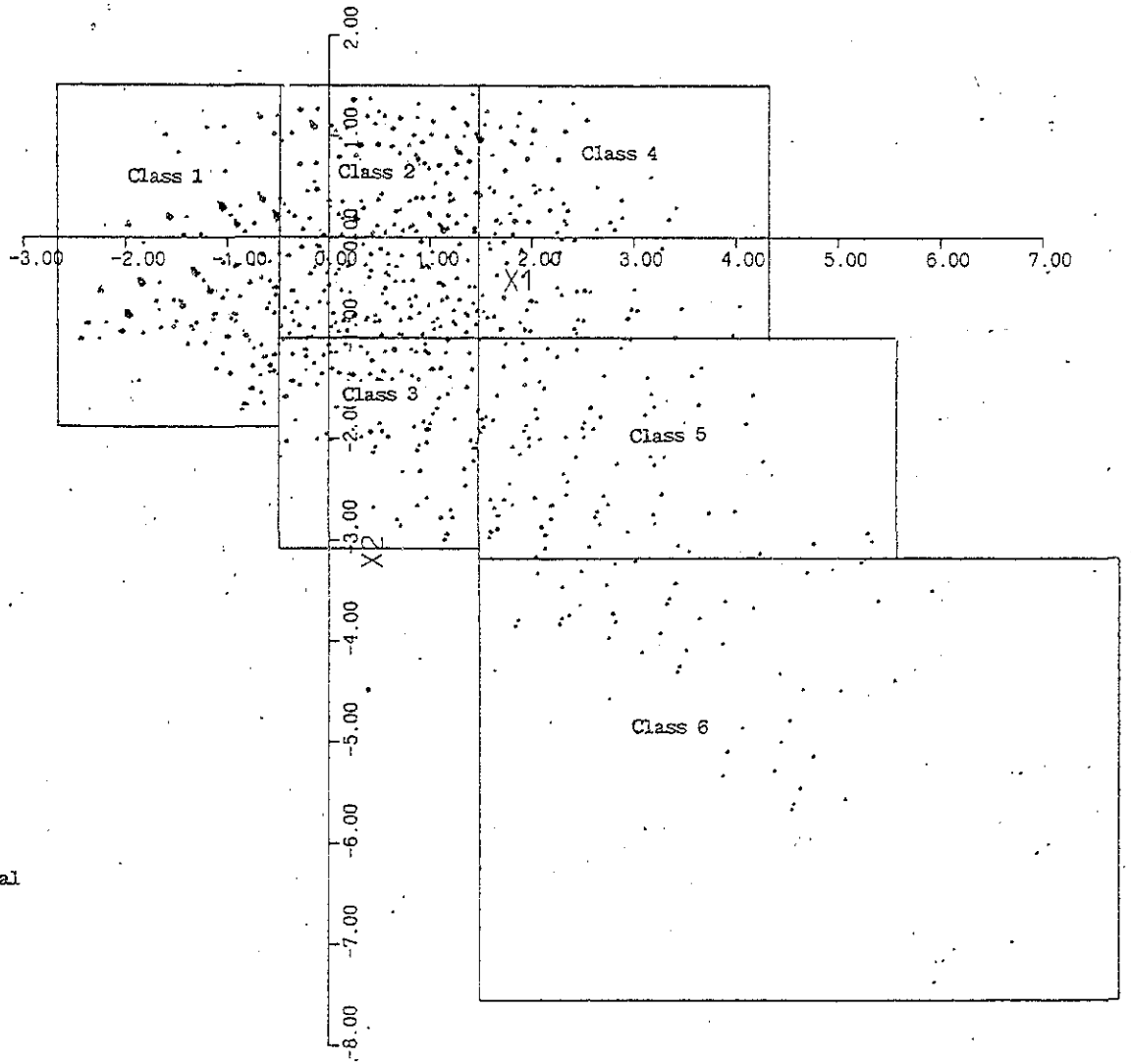
COMP.NO.	1	2	3	4	5	6	7
DATA NO.							
1	-0.57	-0.36	-3.56	1.11	-0.30	-0.13	-0.13
2	-0.33	-0.35	-3.52	0.99	-0.40	-0.30	-0.18
3	-1.13	0.09	-3.41	0.43	-0.65	0.20	-0.19
4	-1.64	0.02	-3.75	0.22	-0.56	-0.10	0.01
5	-1.64	0.02	-3.75	0.22	-0.56	-0.10	0.01
6	-1.08	-0.43	-3.90	0.90	-0.21	-0.44	0.08
7	-1.08	-0.43	-3.90	0.90	-0.21	-0.44	0.08
8	-2.20	-0.23	-2.74	0.23	-0.40	-0.36	0.18
9	-2.15	-0.48	-2.75	0.22	-0.54	-0.31	0.28

10	-1.32	-0.35	-3.53	0.98	-0.29	-0.19	0.01

14035	1.14	1.75	-0.07	-1.37	0.76	-0.55	-1.13
14036	2.57	-1.01	-0.38	-0.24	0.23	-0.70	-0.26
14037	1.21	-0.59	-0.35	-0.55	0.21	0.21	-0.15
14038	2.80	-0.62	-0.34	-0.19	0.19	-0.69	-0.02
14039	2.57	-1.01	-0.38	-0.24	0.23	-0.70	-0.26
14040	2.91	-1.11	-0.39	-0.20	-0.10	-0.59	0.17
14041	3.45	-0.91	-0.29	-0.74	0.76	-0.49	0.10
14042	3.62	-1.66	-0.31	-0.76	0.33	-0.33	0.39
14043	2.60	-2.08	-0.48	-0.45	0.71	0.24	0.32
14044	2.60	-2.08	-0.48	-0.45	0.71	0.24	0.32
14045	2.83	-1.69	-0.43	-0.40	0.67	0.24	0.56
14046	2.83	-1.69	-0.43	-0.40	0.67	0.24	0.56
14047	2.67	-0.94	-0.41	-0.38	1.10	0.08	0.28
14048	3.45	-0.91	-0.29	-0.74	0.76	-0.49	0.10
14049	2.67	-0.94	-0.41	-0.38	1.10	0.08	0.28
14050	1.52	-1.10	-0.52	0.71	-0.97	-0.17	0.32
14051	2.72	-1.19	-0.42	-0.38	0.95	0.14	0.37
14052	1.46	-0.40	-0.08	-1.96	-0.01	0.47	0.32
14053	1.35	0.10	-0.07	-1.95	0.28	0.86	0.13
14054	1.41	-0.15	-0.08	-1.95	0.14	0.91	0.23
14055	0.21	-0.06	-0.17	-0.86	-1.29	0.61	0.18
14056	-0.03	-0.45	-0.22	-0.91	-1.25	0.61	-0.07
14057	0.09	1.21	-0.58	1.01	1.40	-0.34	-0.84
14058	0.87	-0.83	-0.60	1.00	-0.07	0.21	0.36
14059	2.07	-1.00	-0.02	-2.39	-0.45	0.45	-0.01
14060	2.25	-0.37	0.04	-2.33	-0.35	0.40	-0.15
14061	2.13	-1.22	-0.51	-0.10	1.21	0.57	0.51
14062	2.75	-0.83	-0.05	0.18	1.23	0.92	0.13
14063	2.86	-1.37	-0.06	0.17	0.95	1.03	0.32
14064	1.55	-0.33	0.28	-1.40	0.13	1.81	0.18
14065	1.00	2.14	0.35	-1.34	1.56	1.26	-0.78
14066	3.90	-1.21	0.12	-0.52	0.67	-0.08	-0.42
14067	2.69	-1.17	1.09	0.03	0.27	-0.55	-0.37
14068	2.69	-1.17	1.09	0.03	0.27	-0.55	-0.37
14069	2.35	-0.36	1.28	-0.59	-0.12	-0.21	-0.19
14070	3.60	-1.57	1.15	-0.48	0.51	-0.23	0.18
14071	2.19	-1.13	0.96	0.18	1.39	0.66	0.30
14072	2.75	-0.88	-0.05	0.18	1.23	0.92	0.13
14073	2.75	-0.93	-0.05	0.18	1.23	0.92	0.13
14074	2.66	-1.37	-0.06	0.17	0.95	1.03	0.32
14075	2.75	-0.88	-0.05	0.18	1.23	0.92	0.13
14076	2.75	-0.88	-0.05	0.18	1.23	0.92	0.13

Fig. 1

PCA 5 ELEMENT

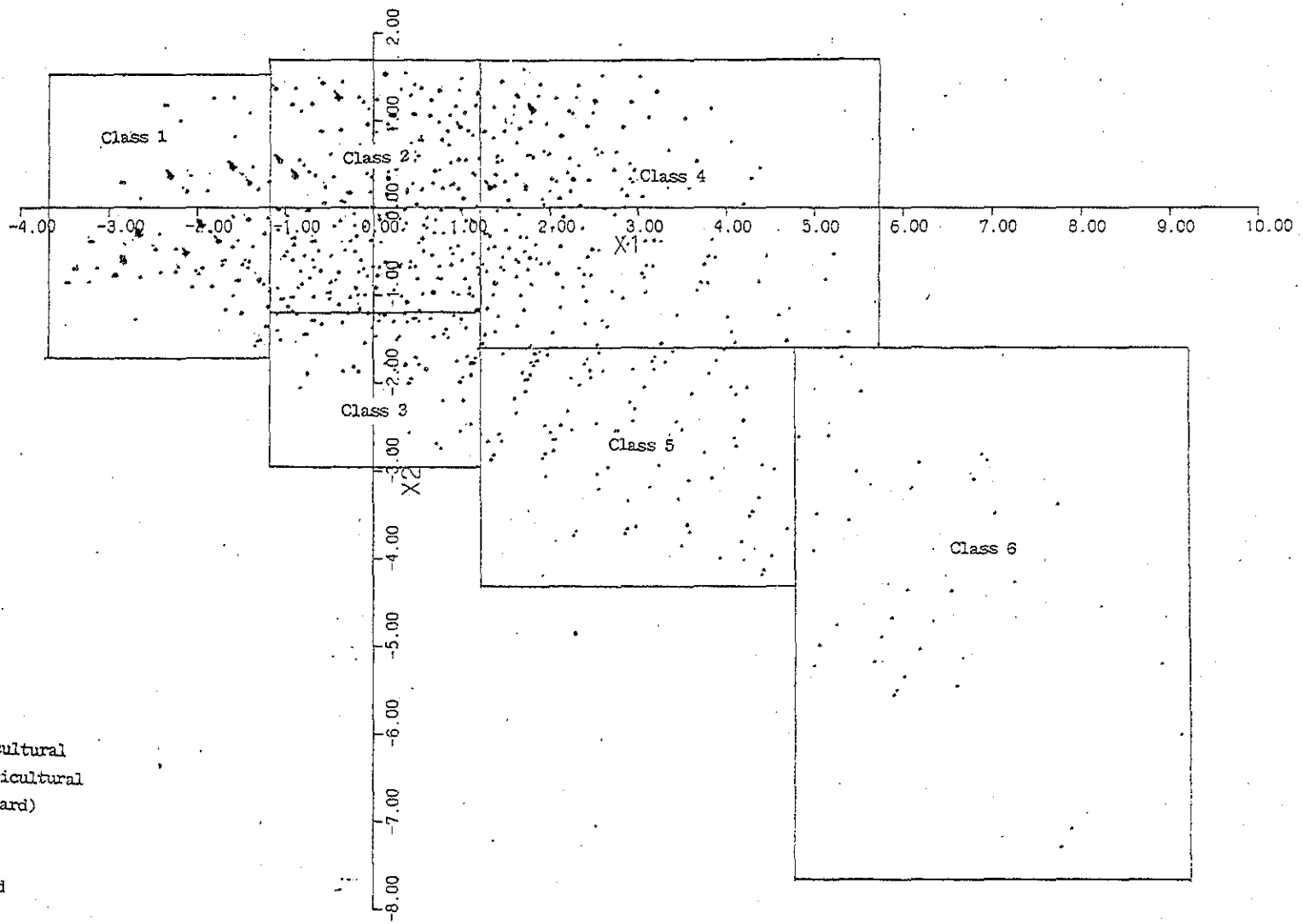


Legend :

1. good agricultural
2. medial agricultural
3. farm (orchard)
4. farm
5. forest
6. barren land

Fig. 2

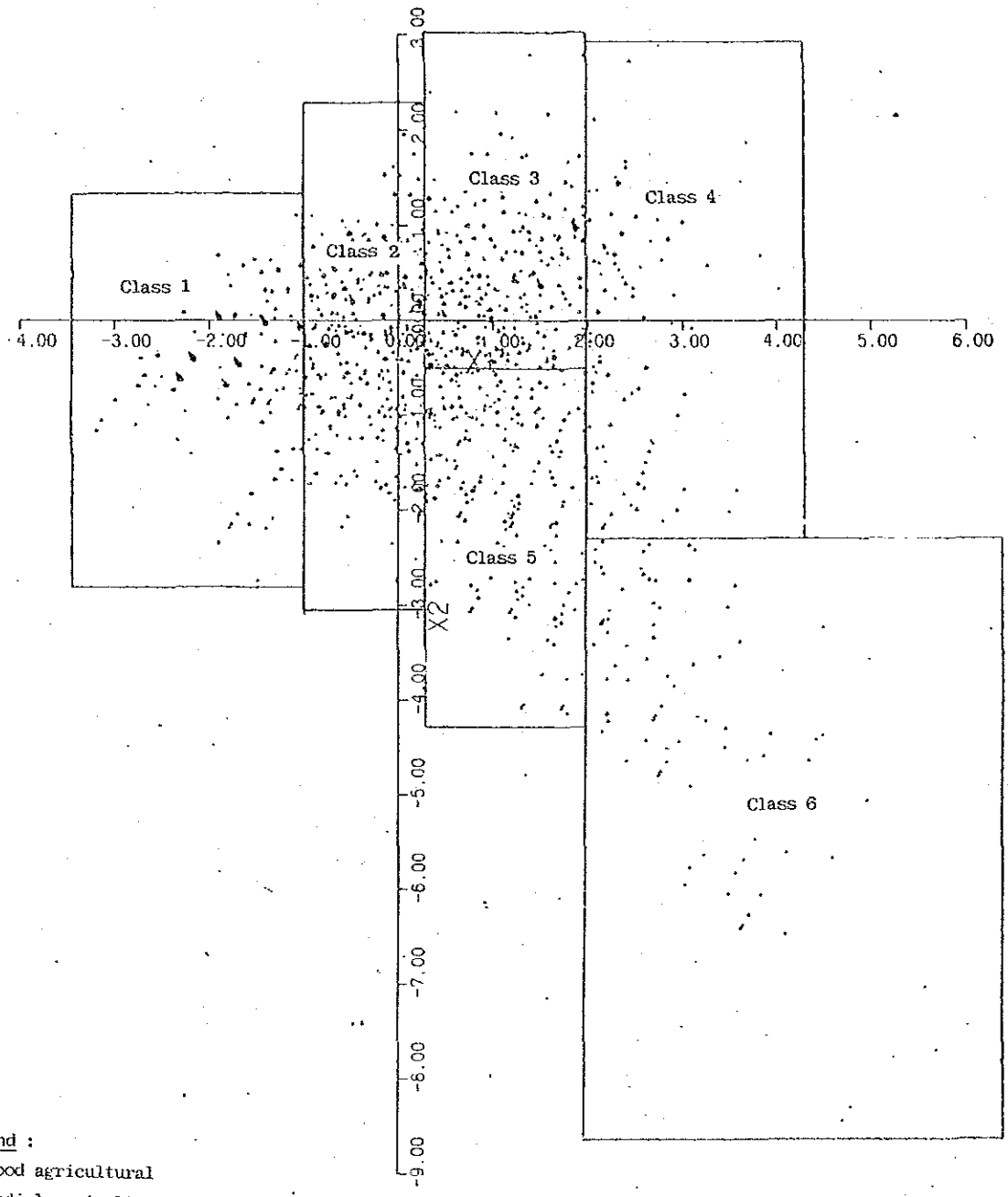
PCA 5 ELEMENT



Legend :

1. good agricultural
2. medial agricultural
3. farm (orchard)
4. farm
5. forest
6. barren land

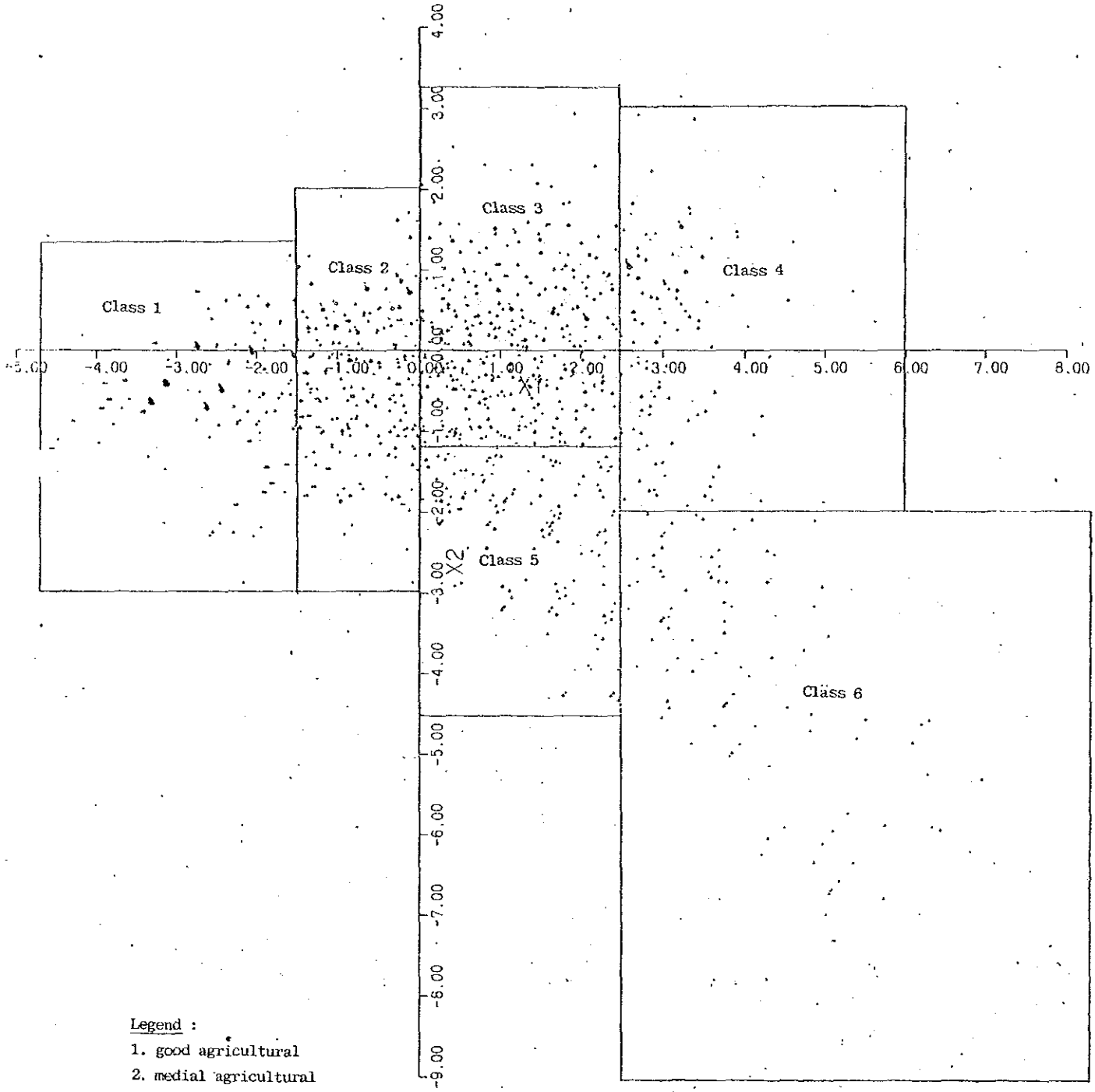
Fig. 3 PCA 6 ELEMENT(G)



Legend :

1. good agricultural
2. medial agricultural
3. farm (orchard)
4. farm
5. forest
6. barren land

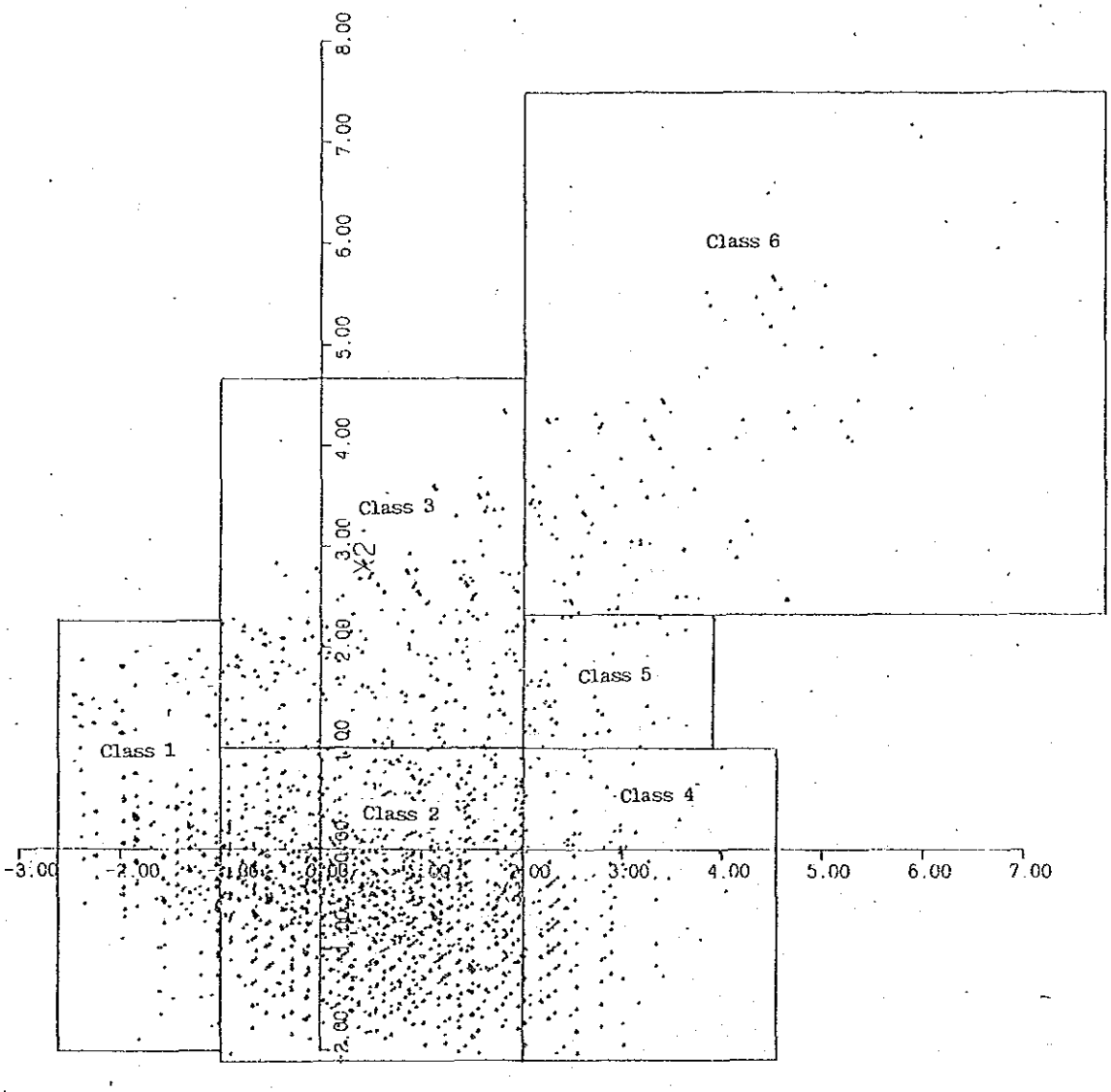
Fig. 4 PCA 6 ELEMENT(G)



Legend :

1. good agricultural
2. medial agricultural
3. farm (orchard)
4. farm
5. forest
6. barren land

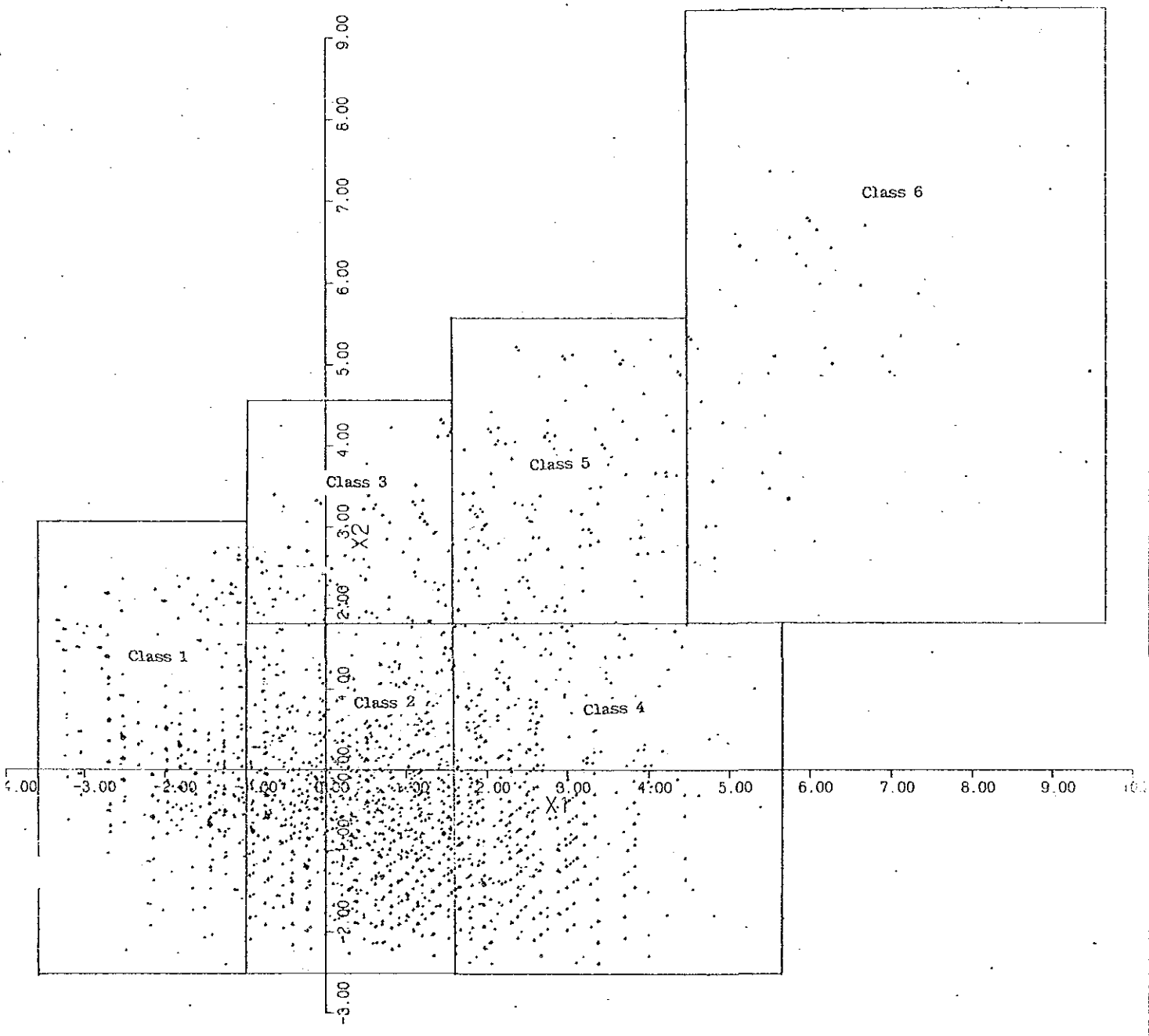
Fig. 5 PCA 6 ELEMENT(R)



Legend :

1. good agricultural
2. medial agricultural
3. farm (orchard)
4. farm
5. forest
6. barren land

Fig. 6 PCA 6 ELEMENT.(R)



Legend :

1. good agricultural
2. medial agricultural
3. farm (orchard)
4. farm
5. forest
6. barren land

Fig. 7

PCA 7 ELEMENT

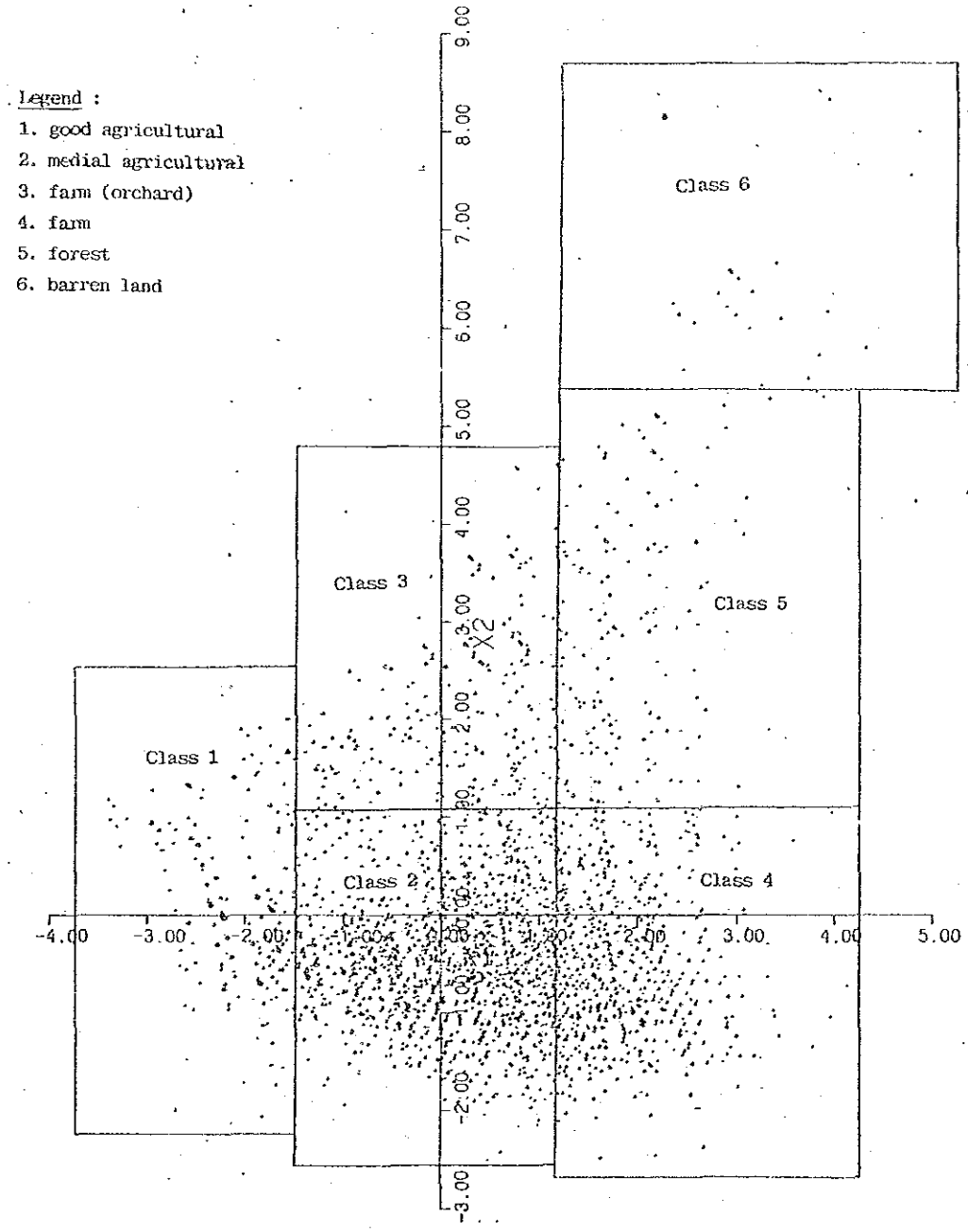
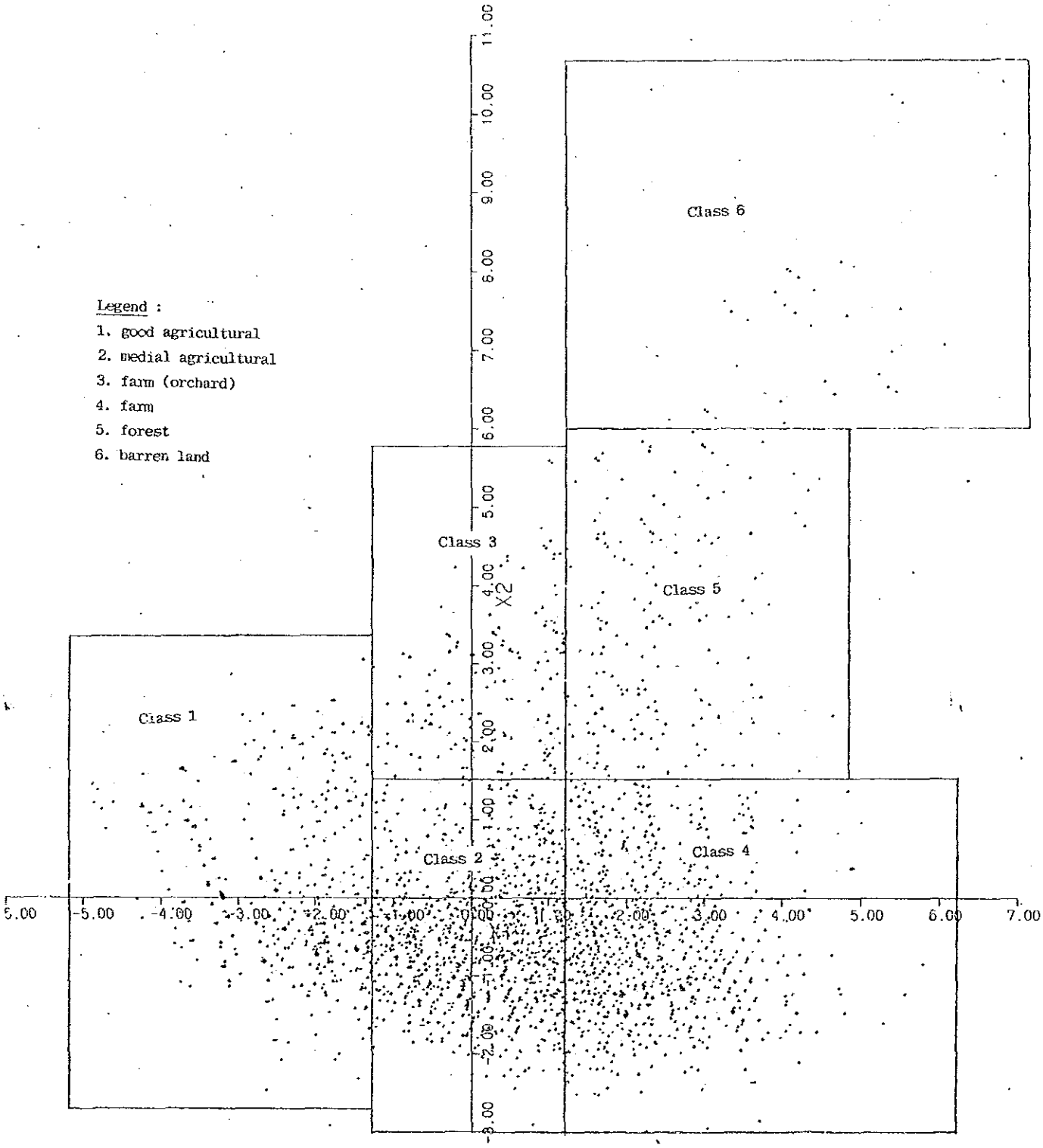


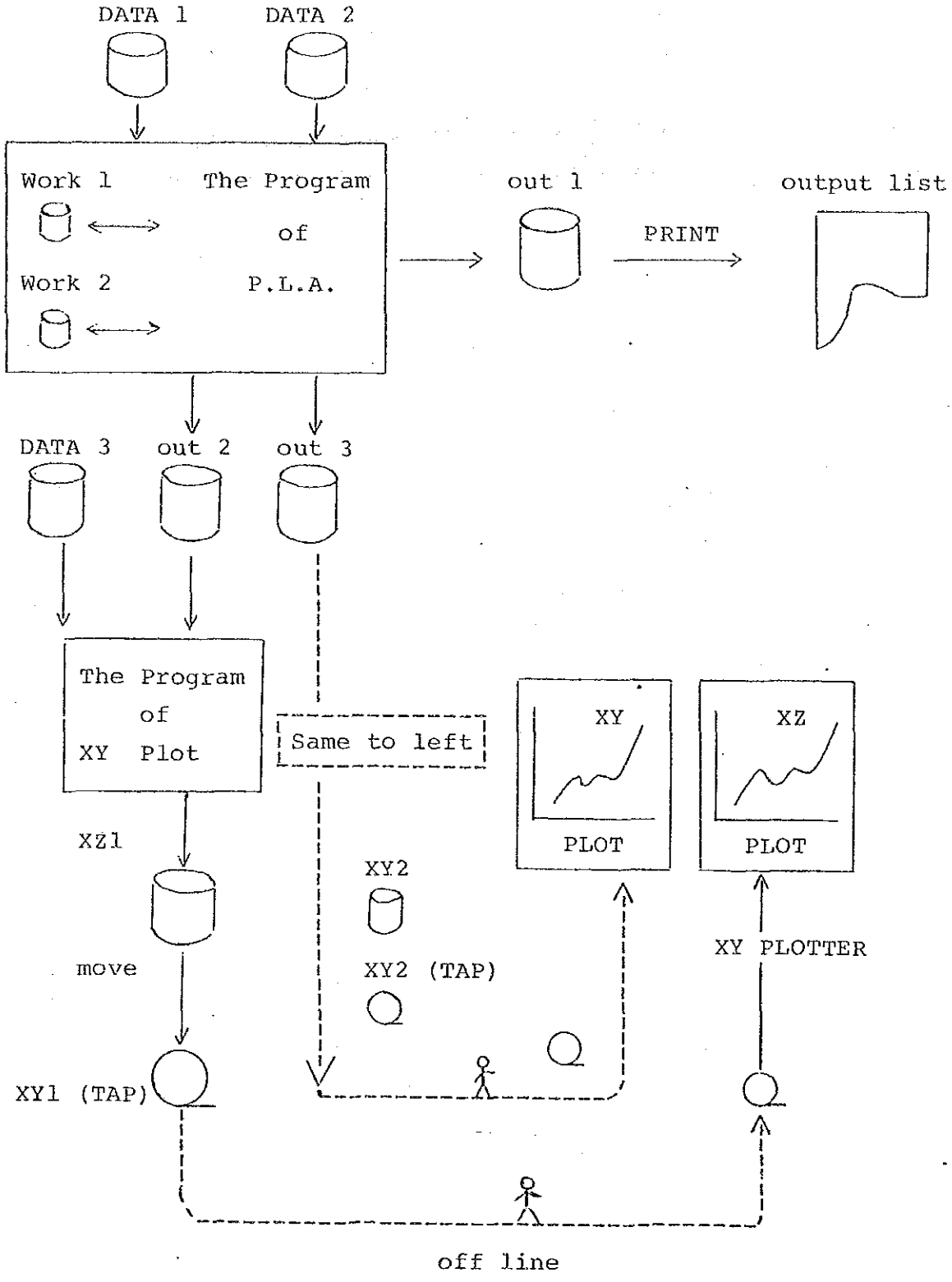
Fig. 8 PCA 7 ELEMENT



****
* *
* PROGRAM *
* *
* OF *
* *
* PRINCIPAL COMPONENT ANALYSIS *
****

USER'S MANUAL

I. Flow Chart


DATA 1
DATA 2
Work 1
The Program
of
Work 2
P.L.A.
out 1
PRINT
output list
DATA 3
out 2
out 3
The Program
of
XY Plot
Same to left
XY
PLOT
XZ
PLOT
XZ1
XY2
XY2 (TAP)
move
XY PLOTTER
XY1 (TAP)
off line