Obs	X01	X02	X03	X04	X05	X06	X07	X08	X09	X10
1	7.69	7.31	7.47	7.76	7.87	7.51	7.24	7.70	7.91	7.95
2	6.59	5.56	6.21	6.04	5.81	6.64	6.11	6.53	6.44	6.64
3	4.55	4.18	4.36	4.25	4.53	4.60	3.66	4.04	3.68	4.43
4	6.78	6.11	6.30	5.98	5.56	6.37	6.29	5.43	5.32	5.28
5	6.47	6.24	6.02	5.42	5.88	6.00	5.60	4.60	5.40	5.95
6	6.96	6.81	6.91	6.48	6.23	7.09	7.27	7.13	6.86	7.36
7	6.57	5.70	5.89	5.16	5.30	6.07	5.56	4.50	4.92	5.33
8	7.32	6.95	6.02	4.98	4.88	6.82	6.40	5.53	5.61	5.33
9	6.51	6.15	5.51	4.68	4.16	5.17	4.81	4.70	4.86	3.82
10	6.86	6.05	5.85	6.14	6.75	6.71	5.39	5.42	6.03	6.59

The PRINCOMP Procedure

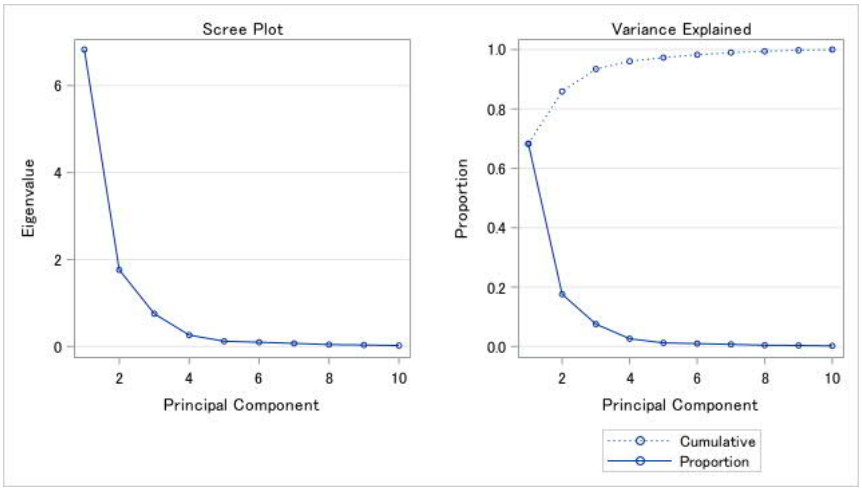
Observations	100
Variables	10

Simple Statistics										
	X01	X02	X03	X04	X05	X06	X07	X08	X09	X10
Mean	6.038100000	5.784800000	5.947100000	5.669500000	5.640600000	5.781300000	5.563900000	5.379400000	5.517400000	5.542100000
StD	1.239147389	1.034139939	0.825972699	0.915395124	0.884228614	1.294327683	1.182607883	1.121124814	1.016264322	1.130856737

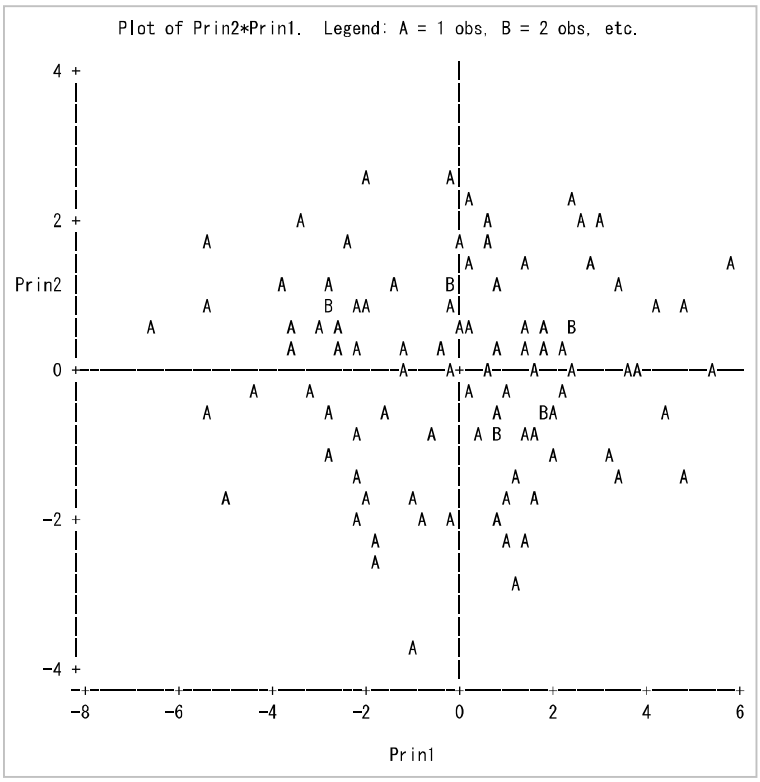
Correlation Matrix										
		X01	X02	X03	X04	X05	X06	X07	X08	X09	X10
X01	M(-15)	1.0000	0.8708	0.5158	0.3701	0.1723	0.9384	0.8107	0.6161	0.5003	0.3298
X02	M(16-20)	0.8708	1.0000	0.7588	0.6043	0.4021	0.8207	0.8381	0.7095	0.6470	0.4569
X03	M(21-30)	0.5158	0.7588	1.0000	0.8524	0.7262	0.5164	0.6584	0.6990	0.7013	0.5584
X04	M(31-40)	0.3701	0.6043	0.8524	1.0000	0.8742	0.3580	0.4875	0.6199	0.7207	0.6321
X05	M(41-)	0.1723	0.4021	0.7262	0.8742	1.0000	0.2077	0.3543	0.5235	0.7101	0.7479
X06	F(-15)	0.9384	0.8207	0.5164	0.3580	0.2077	1.0000	0.8888	0.7465	0.6215	0.4932
X07	F(16-20)	0.8107	0.8381	0.6584	0.4875	0.3543	0.8888	1.0000	0.8949	0.7679	0.6415
X08	F(21-30)	0.6161	0.7095	0.6990	0.6199	0.5235	0.7465	0.8949	1.0000	0.8528	0.7741
X09	F(31-40)	0.5003	0.6470	0.7013	0.7207	0.7101	0.6215	0.7679	0.8528	1.0000	0.9112
X10	F(41-)	0.3298	0.4569	0.5584	0.6321	0.7479	0.4932	0.6415	0.7741	0.9112	1.0000

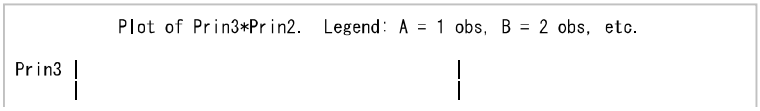
Eigenvalues of the Correlation Matrix				
	Eigenvalue	Difference	Proportion	Cumulative
1	6.82795512	5.06608201	0.6828	0.6828
2	1.76187311	1.00742187	0.1762	0.8590
3	0.75445124	0.49207487	0.0754	0.9344
4	0.26237637	0.14082435	0.0262	0.9607
5	0.12155202	0.02358655	0.0122	0.9728
6	0.09796547	0.02586580	0.0098	0.9826
7	0.07209967	0.02801926	0.0072	0.9898
8	0.04408041	0.00832792	0.0044	0.9942
9	0.03575249	0.01385842	0.0036	0.9978
10	0.02189408		0.0022	1.0000

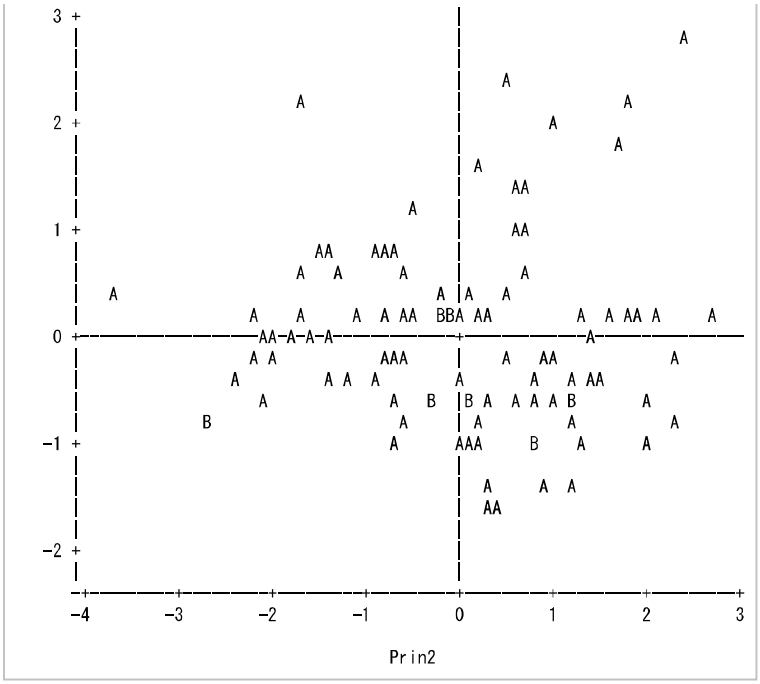
Eigenvectors											
		Prin1	Prin2	Prin3	Prin4	Prin5	Prin6	Prin7	Prin8	Prin9	Prin10
X01	M(-15)	0.286033	-.446335	0.193512	0.428019	0.162365	-.016413	-.062138	-.038493	-.141617	0.668052
X02	M(16-20)	0.331337	-.239842	0.336063	0.022488	-.559594	-.212367	0.479465	0.283325	-.013739	-.225064
X03	M(21-30)	0.323345	0.166337	0.442291	-.436029	-.168594	0.476929	-.416354	0.136150	0.085922	0.163960
X04	M(31-40)	0.299329	0.358627	0.375366	0.063449	0.367912	-.562491	-.066245	-.114301	0.403713	-.068344
X05	M(41-)	0.260727	0.507209	0.127419	0.375425	0.146879	0.385123	0.325310	-.167534	-.437833	-.148648
X06	F(-15)	0.308635	-.407882	-.083695	0.267375	0.286866	0.209878	-.335058	0.176137	0.090538	-.618107
X07	F(16-20)	0.344271	-.252697	-.171400	-.295655	-.025050	0.137469	0.236104	-.762654	0.204382	-.046351
X08	F(21-30)	0.347877	-.032314	-.289087	-.507508	0.452377	-.128390	0.256135	0.382983	-.303270	0.106863
X09	F(31-40)	0.345636	0.164368	-.322236	0.040012	-.388944	-.387189	-.488821	-.161974	-.425188	-.030381
X10	F(41-)	0.303334	0.267273	-.522559	0.251270	-.190507	0.181955	0.100632	0.270185	0.543107	0.229904

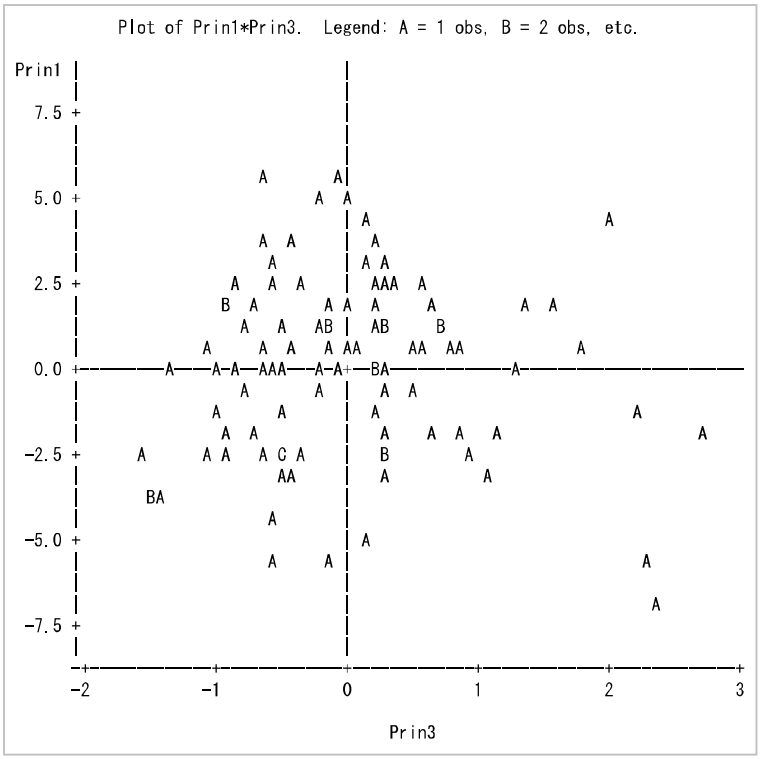


Obs	X01	X02	X03	X04	X05	X06	X07	X08	X09	X10	Prin1	Prin2	Prin3	Prin4	Prin5	Prin6	Prin7	Prin8	Prin9	Prin10
1	7.69	7.31	7.47	7.76	7.87	7.51	7.24	7.70	7.91	7.95	5.88693	1.44204	−0.07682	0.40809	0.25348	−0.08404	0.00629	0.07518	−0.29432	0.07804
2	6.59	5.56	6.21	6.04	5.81	6.64	6.11	6.53	6.44	6.64	1.65842	0.13686	−0.90098	−0.05516	0.42231	−0.06712	−0.42537	0.15924	0.03126	0.21633
3	4.55	4.18	4.36	4.25	4.53	4.60	3.66	4.04	3.68	4.43	−4.44537	−0.34692	−0.55169	0.23782	0.37097	0.08301	0.22924	0.36927	0.13546	−0.13545
4	6.78	6.11	6.30	5.98	5.56	6.37	6.29	5.43	5.32	5.28	0.72138	−0.63217	0.55357	−0.08449	0.21583	0.10836	−0.04069	−0.30130	0.23414	0.03747
5	6.47	6.24	6.02	5.42	5.88	6.00	5.60	4.60	5.40	5.95	0.15339	−0.18363	0.21693	0.67993	−0.55569	0.43975	0.12407	−0.03449	0.20098	0.03292
6	6.96	6.81	6.91	6.48	6.23	7.09	7.27	7.13	6.86	7.36	3.65322	0.09908	−0.63902	−0.35301	−0.06665	0.08296	0.01967	0.09429	0.27099	0.10991
7	6.57	5.70	5.89	5.16	5.30	6.07	5.56	4.50	4.92	5.33	−0.65902	−0.78995	0.26301	0.42015	−0.16052	0.48267	−0.13359	−0.13508	0.28383	0.14238
8	7.32	6.95	6.02	4.98	4.88	6.82	6.40	5.53	5.61	5.33	0.76044	−1.96919	0.06701	−0.04720	−0.60733	0.05720	0.07830	0.10980	−0.04606	0.07099
9	6.51	6.15	5.51	4.68	4.16	5.17	4.81	4.70	4.86	3.82	−1.96687	−1.71968	0.66740	−0.33431	−0.54215	−0.50605	−0.09164	0.28167	−0.34880	0.33721
10	6.86	6.05	5.85	6.14	6.75	6.71	5.39	5.42	6.03	6.59	1.35649	0.51749	−0.17674	1.31452	0.21057	0.17171	0.08563	0.18324	−0.13665	−0.09062
11	7.04	6.03	6.53	6.02	6.68	6.78	5.91	6.26	5.76	5.95	1.76317	0.15476	0.23456	0.33063	0.60092	0.58481	0.05801	0.16376	−0.43135	0.07070
12	6.59	6.30	6.29	5.94	6.10	5.93	5.52	5.35	5.45	5.85	0.72383	0.14551	0.49777	0.35538	−0.09548	0.21636	0.19362	0.18252	0.04441	0.14858
13	5.93	4.76	5.09	5.51	5.79	5.49	4.97	4.69	5.30	5.61	−1.20892	0.34668	−0.53251	0.85212	0.41764	−0.06351	−0.06122	−0.26835	−0.02047	0.09838
14	7.00	6.31	6.82	6.26	5.26	6.69	6.27	5.94	5.78	5.26	1.42272	−0.75706	0.71704	−0.53272	0.19744	−0.12540	−0.54510	0.00683	0.21138	0.12406
15	6.63	5.47	5.54	4.88	4.70	5.89	4.64	4.43	4.00	3.98	−2.13183	−1.49511	0.88751	0.23480	0.36191	0.24293	−0.09797	0.25997	0.00113	0.14547






3
2
1
0
-1
-2
-4
-3
-2
-1
0
1
2
3
Prin2


Plot of Prin1*Prin3. Legend: A = 1 obs, B = 2 obs, etc.
Prin1
7.5
5.0
2.5
0.0
-2.5
-5.0
-7.5
-2
-1
0
1
2
3
Prin3