

The PRINCOMP Procedure

Observations	46
Variables	5

Simple Statistics					
	Y1	Y2	X1	X2	X3
Mean	0.9178260870	90.41304348	340.8260870	171.3695652	97.78260870
Std	0.1272078447	8.39993674	33.2627949	48.8045347	46.22116545

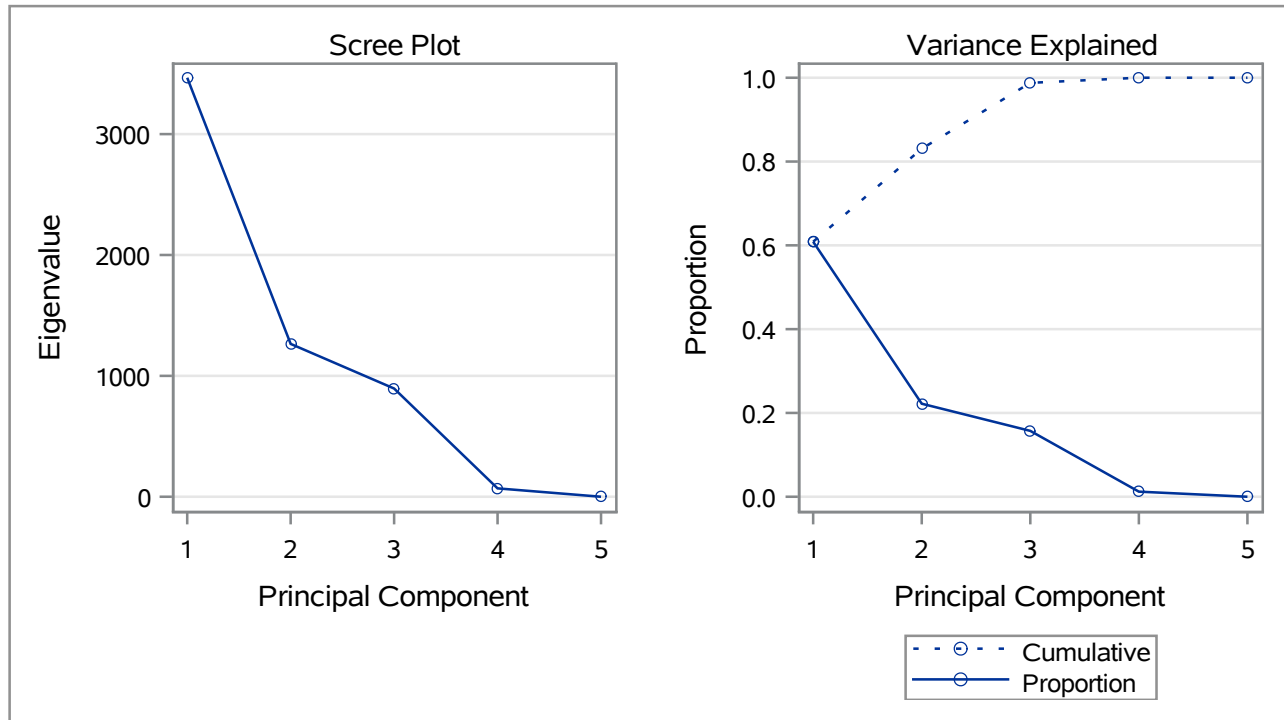
Covariance Matrix					
	Y1	Y2	X1	X2	X3
Y1	0.016182	0.216029	0.787169	-0.213845	2.189072
Y2	0.216029	70.558937	26.228986	-23.956039	-20.841546
X1	0.787169	26.228986	1106.413527	396.732367	108.383575
X2	-0.213845	-23.956039	396.732367	2381.882609	1142.637681
X3	2.189072	-20.841546	108.383575	1142.637681	2136.396135

Total Variance	5695.2673896
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Eigenvalues of the Covariance Matrix				
	Eigenvalue	Difference	Proportion	Cumulative
1	3466.18182	2201.71128	0.6086	0.6086
2	1264.47054	369.20218	0.2220	0.8306
3	895.26836	825.93313	0.1572	0.9878
4	69.33524	69.32382	0.0122	1.0000
5	0.01142		0.0000	1.0000

Eigenvectors					
	Prin1	Prin2	Prin3	Prin4	Prin5
Y1	0.000400	-.000780	0.001791	0.002854	0.999994
Y2	-.008043	0.016602	0.028590	0.999417	-.002887
X1	0.154728	0.638220	0.753510	-.030915	-.000825
X2	0.742970	0.427940	-.514469	0.013591	0.000919
X3	0.651145	-.639739	0.408318	0.004182	-.001502

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Correlation Matrix					
	Y1	Y2	X1	X2	X3
Y1	1.0000	0.2022	0.1860	-.0344	0.3723
Y2	0.2022	1.0000	0.0939	-.0584	-.0537
X1	0.1860	0.0939	1.0000	0.2444	0.0705
X2	-.0344	-.0584	0.2444	1.0000	0.5065
X3	0.3723	-.0537	0.0705	0.5065	1.0000

Eigenvalues of the Correlation Matrix				
	Eigenvalue	Difference	Proportion	Cumulative
1	1.71724028	0.48339142	0.3434	0.3434
2	1.23384887	0.27364618	0.2468	0.5902
3	0.96020268	0.17357027	0.1920	0.7823
4	0.78663241	0.48455665	0.1573	0.9396
5	0.30207576		0.0604	1.0000

Eigenvectors					
	Prin1	Prin2	Prin3	Prin4	Prin5
Y1	0.415530	0.529505	-.418127	-.399324	0.461160
Y2	0.073522	0.684079	0.155870	0.701202	-.103204
X1	0.363957	0.197448	0.762040	-.435645	-.240954
X2	0.542196	-.425870	0.249039	0.385717	0.560233
X3	0.628879	-.176947	-.397680	0.101449	-.636208

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