The CORR Procedure

2 Variables:	FEV1_father Ratio

Simple Statistics						
Variable	**N**	**Mean**	**Std Dev**	**Sum**	**Minimum**	**Maximum**
FEV1_father	150	409.32667	65.07523	61399	250.00000	585.00000
Ratio	150	0.82839	0.05316	124.25821	0.64191	0.98261

Pearson Correlation Coefficients, N = 150 **Prob > |r| under H0: Rho=0**		
	FEV1_father	**Ratio**
FEV1_father	1.00000	0.18325 0.0248
Ratio	0.18325 0.0248	1.00000

The CORR Procedure

2 Variables:	FVC_father Ratio

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
FVC_father	150	495.23333	79.36699	74285	302.00000	666.00000
Ratio	150	0.82839	0.05316	124.25821	0.64191	0.98261

Pearson Correlation Coefficients, N = 150
Prob > |r| under H0: Rho=0

	FVC_father	Ratio
FVC_father	1.00000	-0.21921 0.0070
Ratio	-0.21921 0.0070	1.00000

The PRINCOMP Procedure

Observations	150
Variables	2

Simple Statistics		
	FEV1_father	FVC_father
Mean	0.000000000	0.000000000
StD	1.000000000	1.000000000

Correlation Matrix		
	FEV1_father	FVC_father
FEV1_father	1.0000	0.9162
FVC_father	0.9162	1.0000

Eigenvalues of the Correlation Matrix				
	Eigenvalue	Difference	Proportion	Cumulative
1	1.91622945	1.83245889	0.9581	0.9581
2	0.08377055		0.0419	1.0000

Eigenvectors		
	Prin1	Prin2
FEV1_father	0.707107	0.707107
FVC_father	0.707107	-.707107
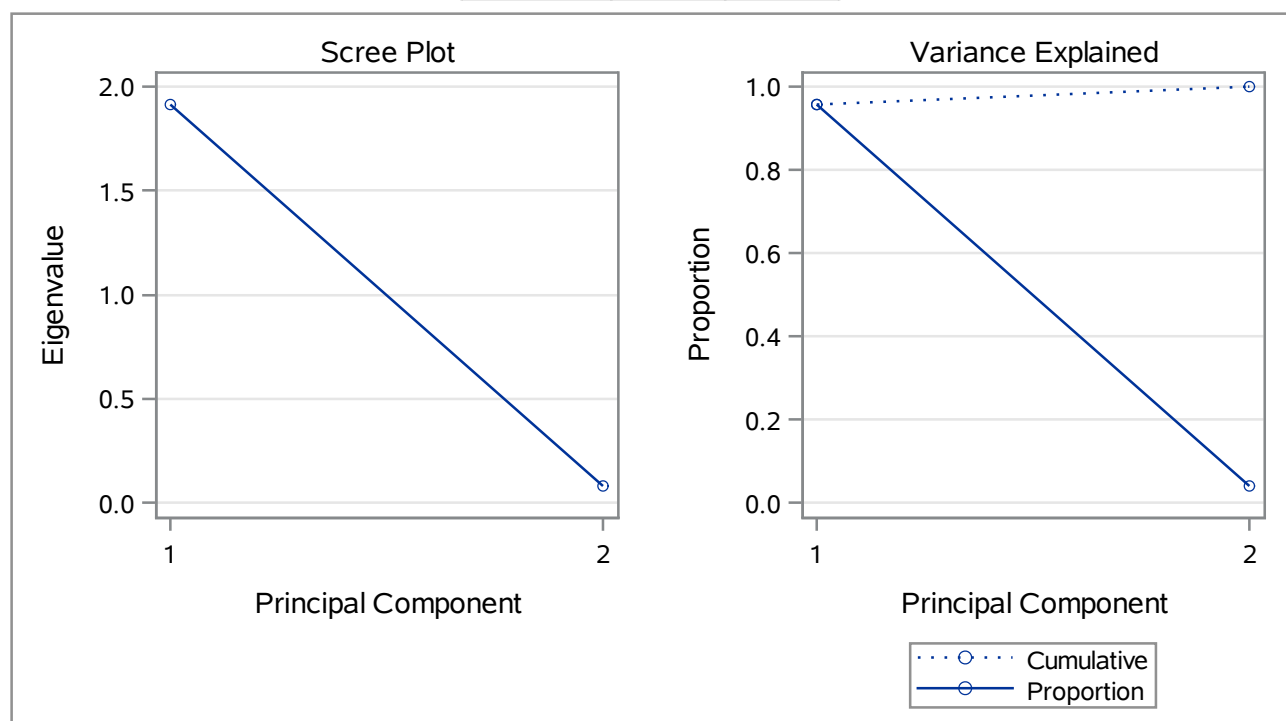
The PRINCOMP Procedure

Observations	150
Variables	2

Simple Statistics		
	Prin1	**Prin2**
Mean	0.000000000	0.0000000000
StD	1.384279396	0.2894314332

Correlation Matrix		
	Prin1	**Prin2**
Prin1	1.0000	0.0000
Prin2	0.0000	1.0000

Eigenvalues of the Correlation Matrix				
	Eigenvalue	**Difference**	**Proportion**	**Cumulative**
1	1.00000000	0.00000000	0.5000	0.5000
2	1.00000000		0.5000	1.0000

Eigenvectors		
	Prin1	**Prin2**
Prin1	1.00000	0.00000
Prin2	0.00000	1.00000
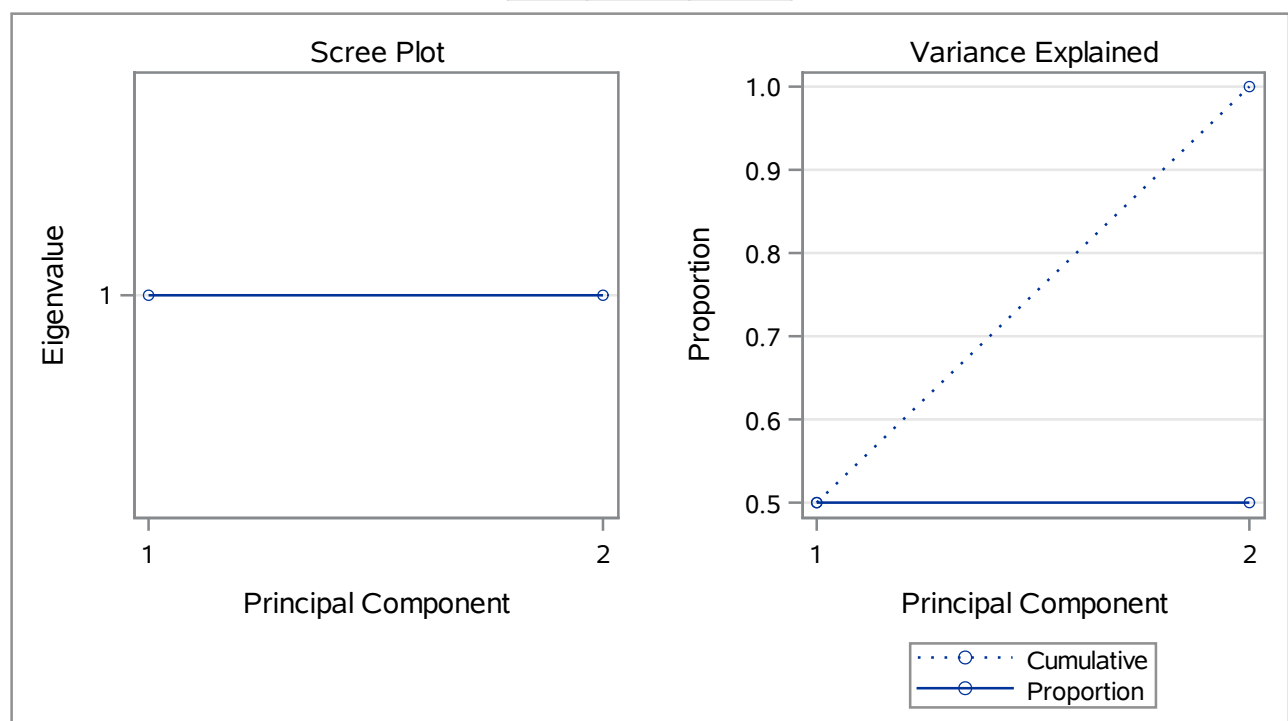
Running PCA on Ratio , FVC_father and FEV1_father

The PRINCOMP Procedure

Observations	150
Variables	3

Simple Statistics			
	FEV1_father	FVC_father	Ratio
Mean	0.000000000	0.000000000	0.000000000
StD	1.000000000	1.000000000	1.000000000

Correlation Matrix			
	FEV1_father	FVC_father	Ratio
FEV1_father	1.0000	0.9162	0.1833
FVC_father	0.9162	1.0000	-.2192
Ratio	0.1833	-.2192	1.0000

Eigenvalues of the Correlation Matrix				
	Eigenvalue	Difference	Proportion	Cumulative
1	1.91697027	0.83648824	0.6390	0.6390
2	1.08048203	1.07793434	0.3602	0.9992
3	0.00254769		0.0008	1.0000

Eigenvectors			
	Prin1	Prin2	Prin3
FEV1_father	0.703603	0.214733	-.677372
FVC_father	0.709996	-.173376	0.682529
Ratio	-.029122	0.961161	0.274447

Running PCA on Ratio , FVC_father and FEV1_father

The PRINCOMP Procedure