Co-relation matrix between age, height, and weight for the oldest child

The CORR Procedure

3 Variables:	Age_oldest_child Height_oldest_child Weight_oldest_child

Simple Statistics						
Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
Age_oldest_child	150	12.63333	3.19063	1895	7.00000	17.00000
Height_oldest_child	150	60.09333	6.92757	9014	46.00000	75.00000
Weight_oldest_child	150	102.62000	38.08709	15393	45.00000	207.00000

Pearson Correlation Coefficients, N = 150 Prob > |r| under H0: Rho=0			
	Age_oldest_child	Height_oldest_child	Weight_oldest_child
Age_oldest_child	1.00000	0.91126 <.0001	0.84400 <.0001
Height_oldest_child	0.91126 <.0001	1.00000	0.90203 <.0001
Weight_oldest_child	0.84400 <.0001	0.90203 <.0001	1.00000

Running PCA on age, height, and weight for the oldest child

The PRINCOMP Procedure

Observations	150
Variables	3

Simple Statistics

	Age_oldest_child	Height_oldest_child	Weight_oldest_child
Mean	0.000000000	0.000000000	0.000000000
StD	1.000000000	1.000000000	1.000000000

Correlation Matrix

	Age_oldest_child	Height_oldest_child	Weight_oldest_child
Age_oldest_child	1.0000	0.9113	0.8440
Height_oldest_child	0.9113	1.0000	0.9020
Weight_oldest_child	0.8440	0.9020	1.0000

Eigenvalues of the Correlation Matrix

	Eigenvalue	Difference	Proportion	Cumulative
1	2.77185784	2.61553291	0.9240	0.9240
2	0.15632493	0.08450771	0.0521	0.9761
3	0.07181723		0.0239	1.0000

Eigenvectors

	Prin1	Prin2	Prin3
Age_oldest_child	0.573882	-.678899	0.457991
Height_oldest_child	0.586249	-.049918	-.808591
Weight_oldest_child	0.571814	0.732533	0.369357

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The PRINCOMP Procedure