Co-relation Matrix for Age_father Height_father FVC_father

The CORR Procedure

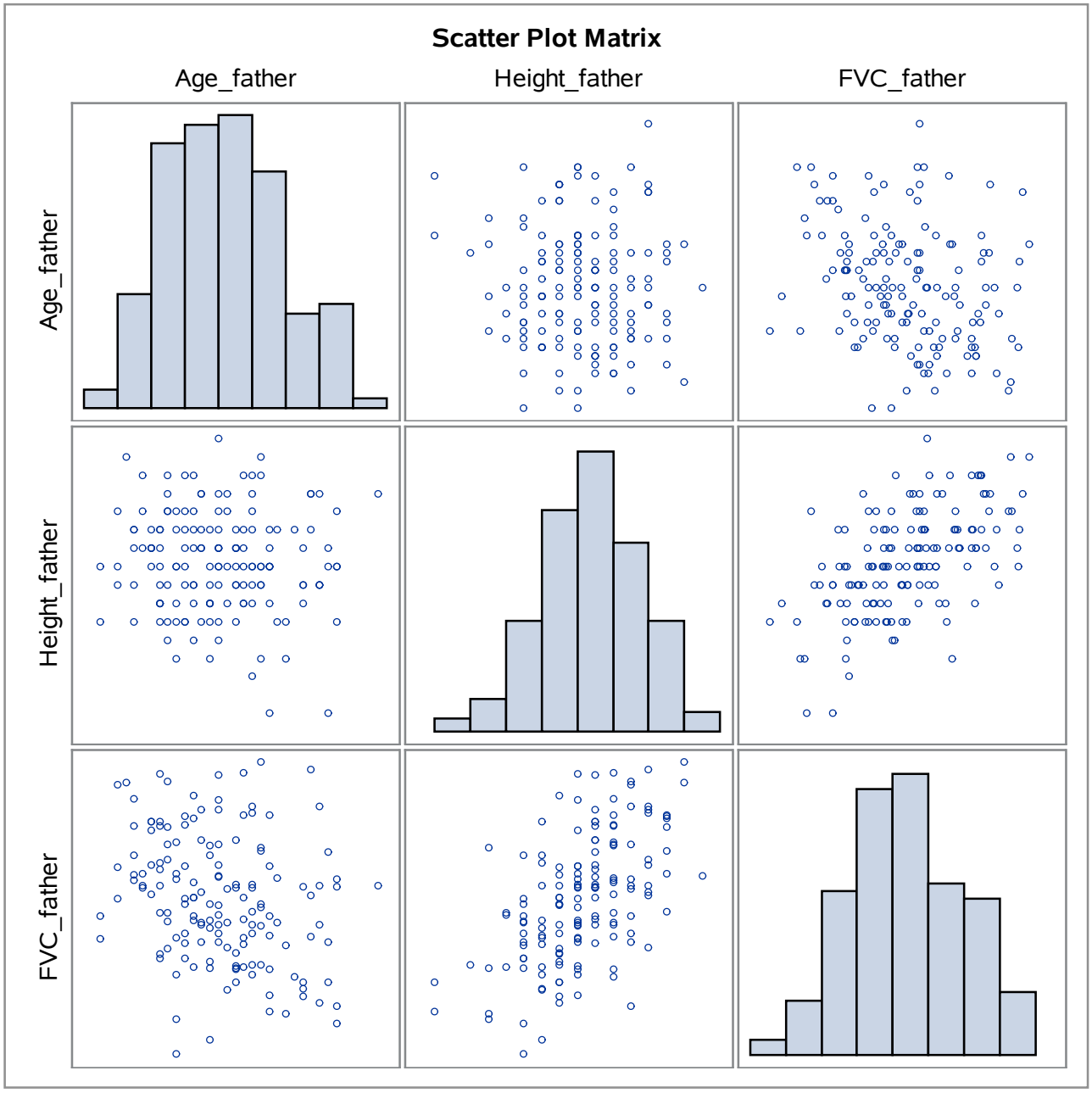
3 Variables:	Age_father Height_father FVC_father

Simple Statistics						
Variable	**N**	**Mean**	**Std Dev**	**Sum**	**Minimum**	**Maximum**
Age_father	150	40.13333	6.89000	6020	26.00000	59.00000
Height_father	150	69.26000	2.77919	10389	61.00000	76.00000
FVC_father	150	495.23333	79.36699	74285	302.00000	666.00000

Pearson Correlation Coefficients, N = 150 Prob > |r| under H0: Rho=0			
	Age_father	**Height_father**	**FVC_father**
Age_father	1.00000	-0.05615 0.4949	-0.27134 0.0008
Height_father	-0.05615 0.4949	1.00000	0.54981 <.0001
FVC_father	-0.27134 0.0008	0.54981 <.0001	1.00000

Co-relation Matrix for Age_father Height_father FVC_father

The CORR Procedure



Regression Analysis with FVC_father as dependent variable and Age_father, Height_father as independent variables

The REG Procedure
Model: MODEL1
Dependent Variable: FVC_father

Number of Observations Read	150
Number of Observations Used	150

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	338165	169083	41.40	<.0001
Error	147	600404	4084.37907		
Corrected Total	149	938569			

Root MSE	63.90915	R-Square	0.3603
Dependent Mean	495.23333	Adj R-Sq	0.3516
Coeff Var	12.90486		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Variance Inflation
Intercept	1	-453.92042	135.96546	-3.34	0.0011	0
Age_father	1	-2.77879	0.76109	-3.65	0.0004	1.00316
Height_father	1	15.31441	1.88685	8.12	<.0001	1.00316

Regression Analysis with FVC_father as dependent variable and Age_father, Height_father as independent variables

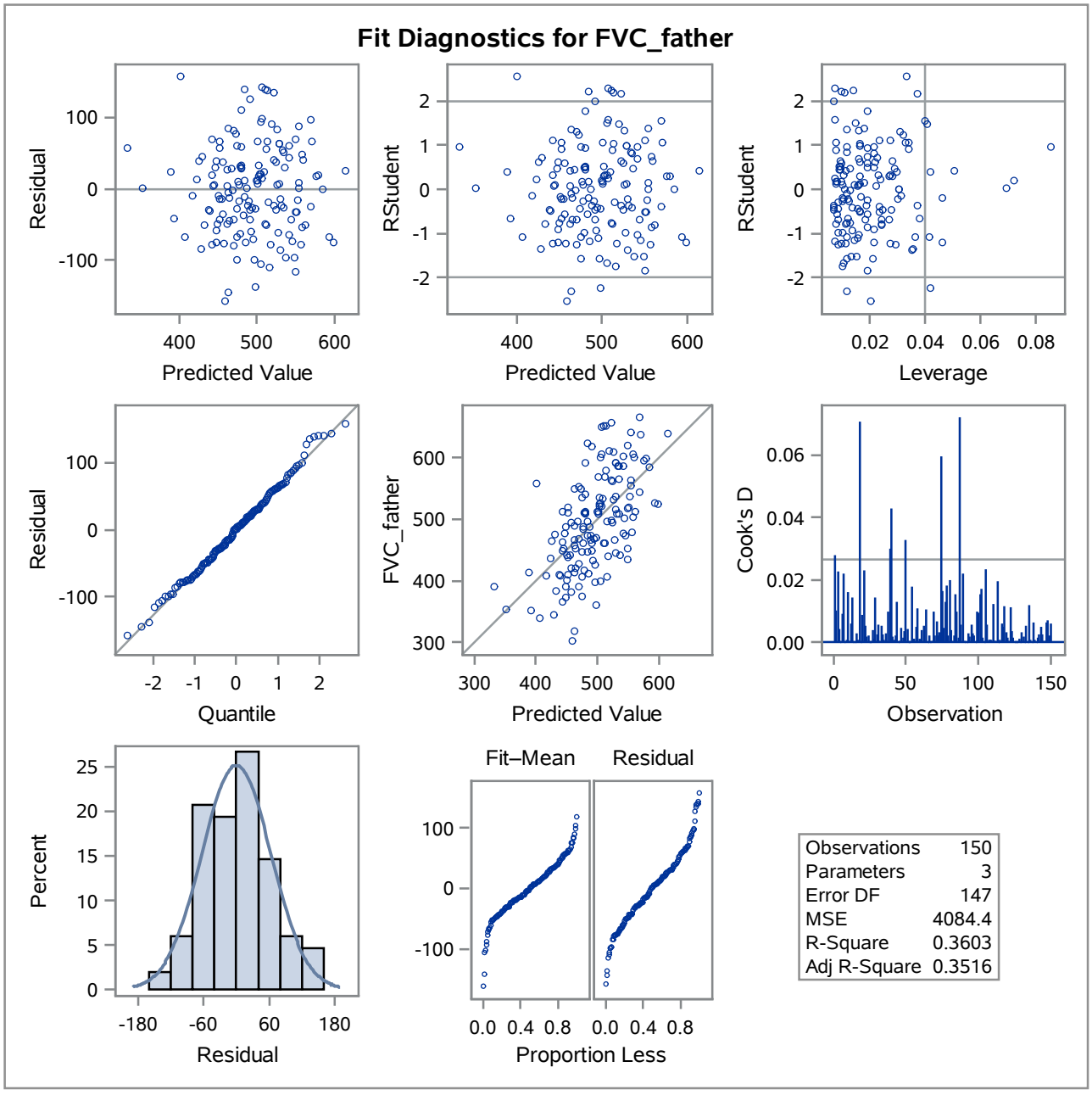
The REG Procedure
Model: MODEL1
Dependent Variable: FVC_father

Durbin-Watson D	2.056
Pr < DW	0.6373
Pr > DW	0.3627
Number of Observations	150
1st Order Autocorrelation	-0.032

Note: Pr<DW is the p-value for testing positive autocorrelation, and Pr>DW is the p-value for testing negative autocorrelation.

Regression Analysis with FVC_father as dependent variable and Age_father, Height_father as independent variables

The REG Procedure
Model: MODEL1
Dependent Variable: FVC_father



Regression Analysis with FVC_father as dependent variable and Age_father, Height_father as independent variables

The REG Procedure
Model: MODEL1
Dependent Variable: FVC_father