The PRINCOMP Procedure

Observations	67
Variables	3

Simple Statistics

	knowhow	problem_solving	accountability
Mean	0.000000000	0.000000000	0.000000000
StD	1.000000000	1.000000000	1.000000000

Correlation Matrix

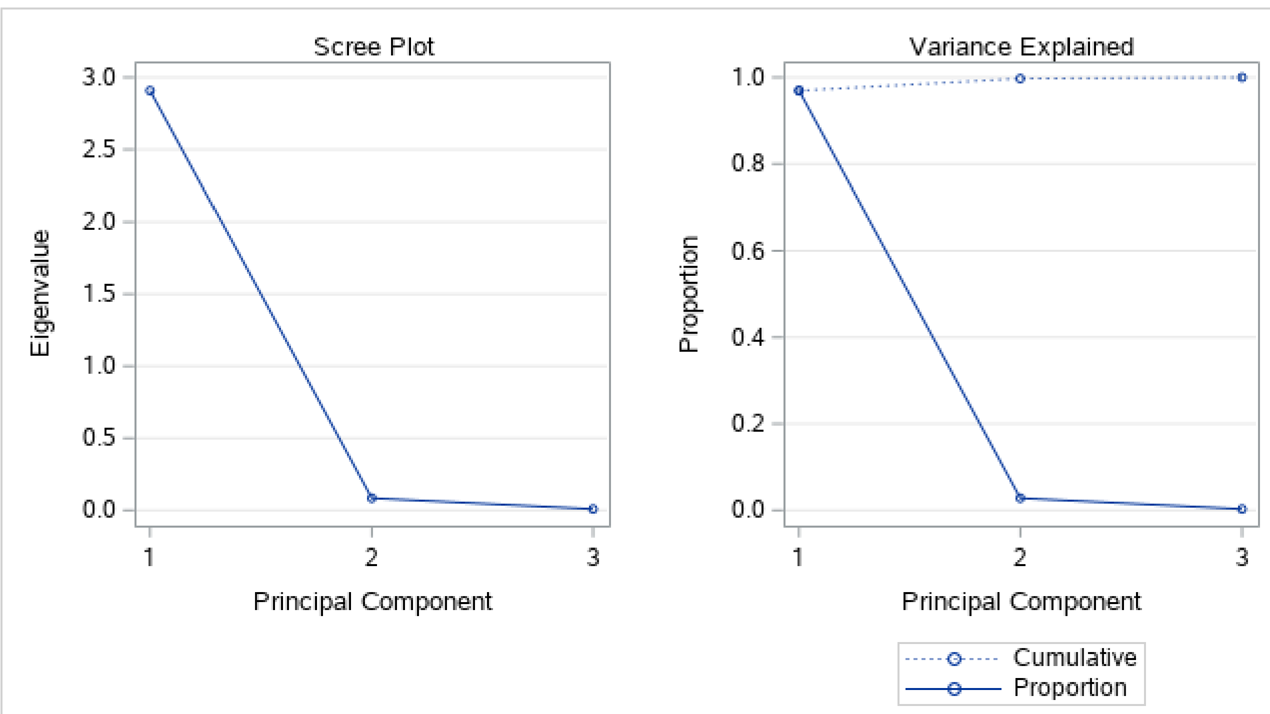
	knowhow	problem_solving	accountability
knowhow	1.0000	0.9833	0.9188
problem_solving	0.9833	1.0000	0.9597
accountability	0.9188	0.9597	1.0000

Eigenvalues of the Correlation Matrix

	Eigenvalue	Difference	Proportion	Cumulative
1	2.90808114	2.82438377	0.9694	0.9694
2	0.08369737	0.07547588	0.0279	0.9973
3	0.00822149		0.0027	1.0000

Eigenvectors

	Prin1	Prin2	Prin3
knowhow	0.576251	-.618121	0.534660
problem_solving	0.584343	-.145758	-.798310
accountability	0.571383	0.772451	0.277201



The REG Procedure
Model: MODEL1
Dependent Variable: Prin1

Number of Observations Read	67
Number of Observations Used	67

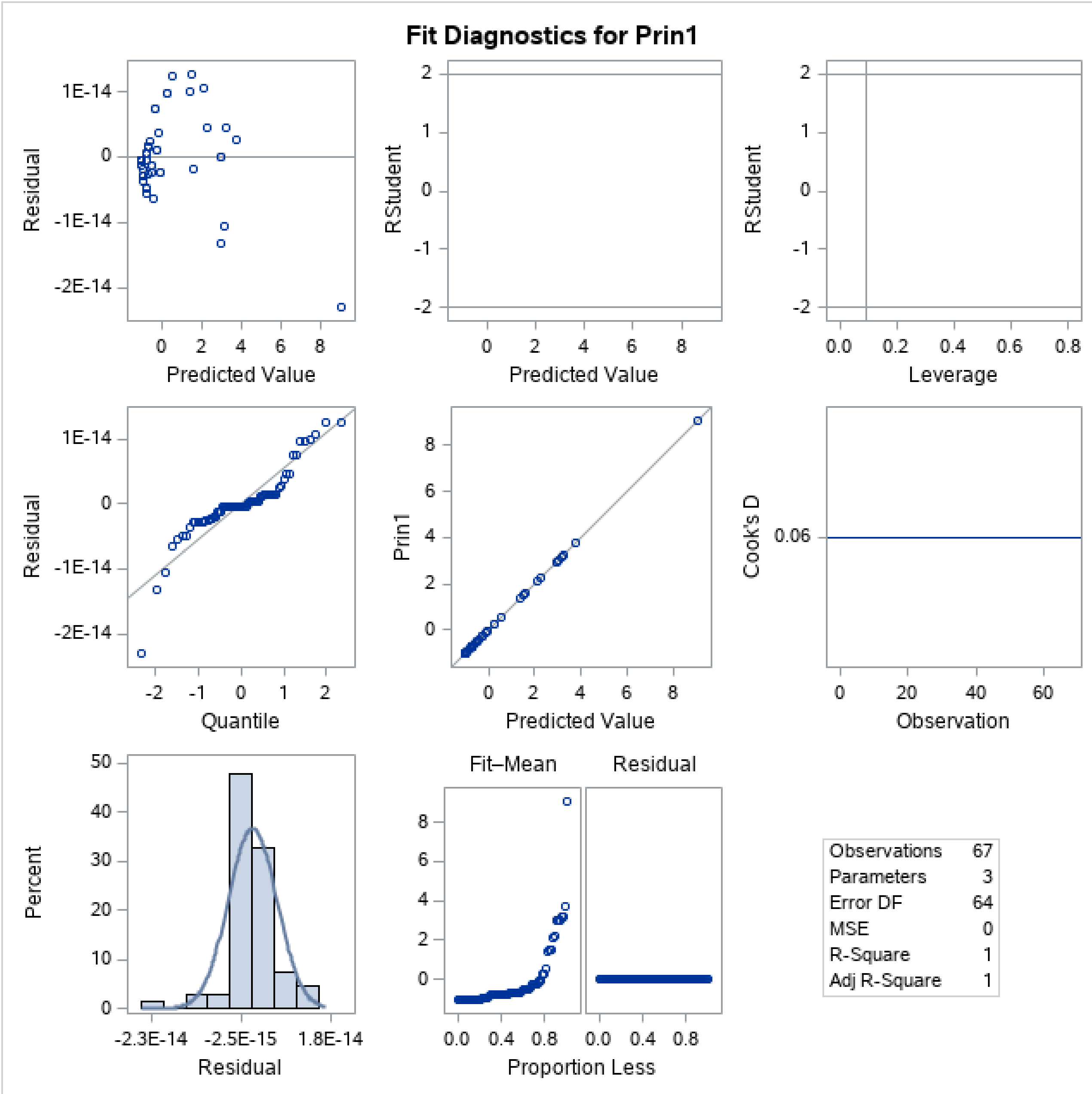
Note: No intercept in model. R-Square is redefined.

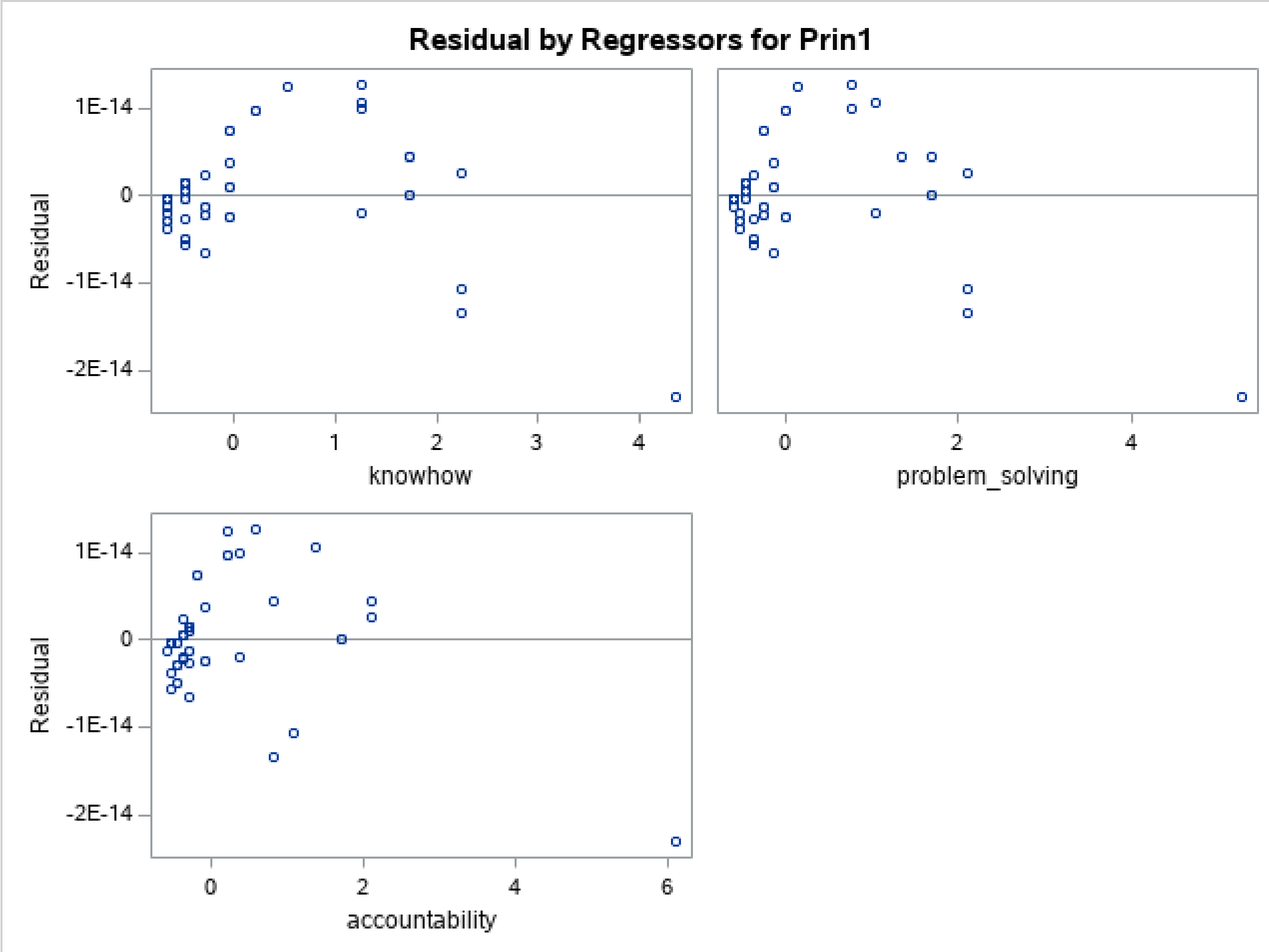
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	191.93336	63.97779	Infty	<.0001
Error	64	0	0		
Uncorrected Total	67	191.93336			

Root MSE	0	R-Square	1.0000
Dependent Mean	3.24782E-16	Adj R-Sq	1.0000
Coeff Var	0		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
knowhow	1	0.57625	0	Infty	<.0001
problem_solving	1	0.58434	0	Infty	<.0001
accountability	1	0.57138	0	Infty	<.0001

The REG Procedure
Model: MODEL1
Dependent Variable: Prin1


Fit Diagnostics for Prin1
Residual
Predicted Value
RStudent
Leverage
Quantile
Prin1
Cook's D
Observation
Percent
Fit–Mean
Residual
Proportion Less
-2.3E-14
-2.5E-15
1.8E-14
Observations 67
Parameters 3
Error DF 64
MSE 0
R-Square 1
Adj R-Square 1



The REG Procedure
Model: MODEL1
Dependent Variable: knowhow

Number of Observations Read	67
Number of Observations Used	67

Note: No intercept in model. R-Square is redefined.

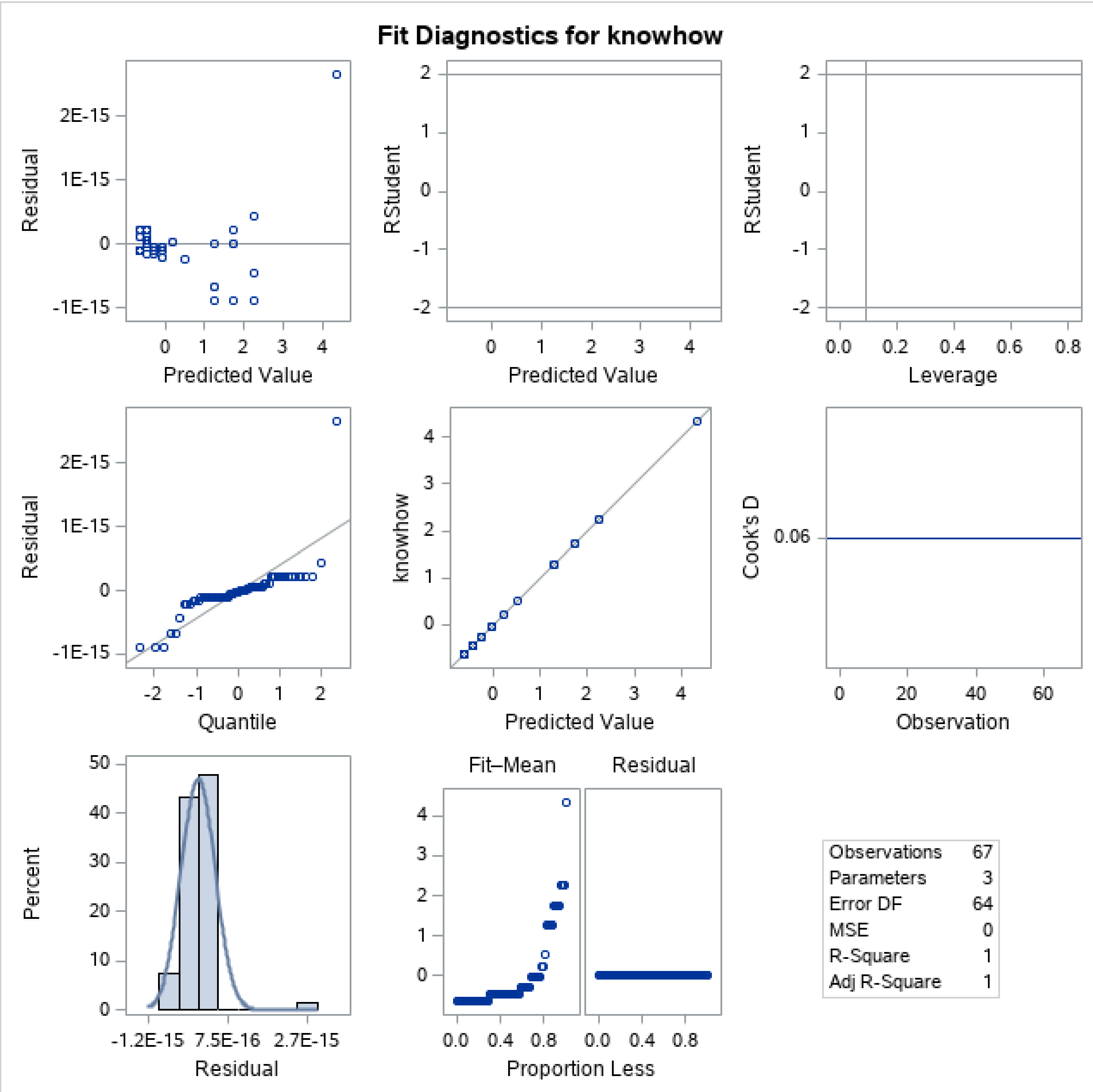
Analysis of Variance					
Source	**DF**	**Sum of Squares**	**Mean Square**	**F Value**	**Pr > F**
Model	3	66.00000	22.00000	Infty	<.0001
Error	64	0	0		
Uncorrected Total	67	66.00000			

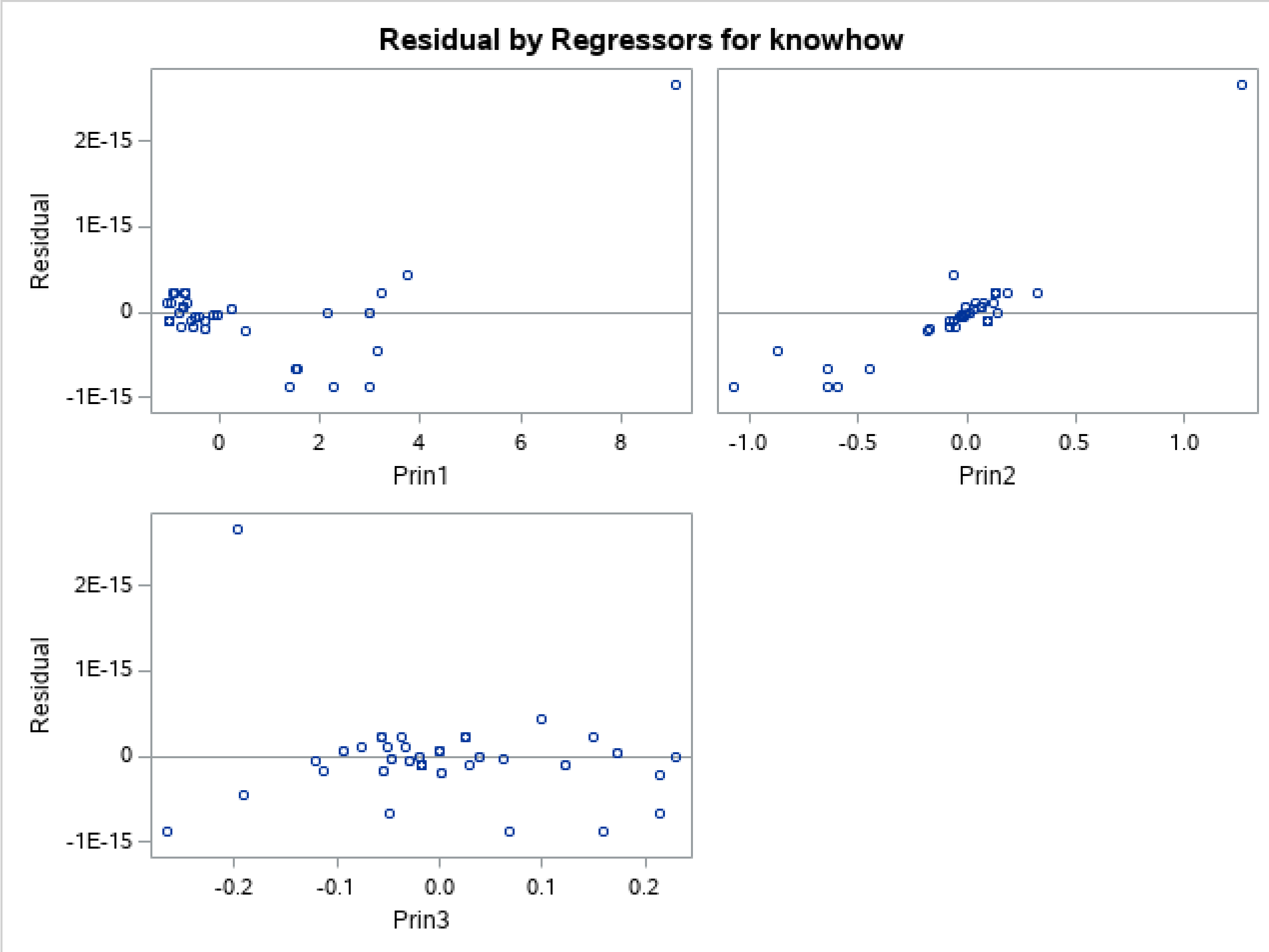
Root MSE	0	**R-Square**	1.0000
Dependent Mean	3.67865E-16	**Adj R-Sq**	1.0000
Coeff Var	0		

Parameter Estimates					
Variable	**DF**	**Parameter Estimate**	**Standard Error**	**t Value**	**Pr > |t|**
Prin1	1	0.57625	0	Infty	<.0001

Parameter Estimates					
Variable	**DF**	**Parameter Estimate**	**Standard Error**	**t Value**	**Pr > |t|**
Prin2	1	-0.61812	0	-Infty	<.0001
Prin3	1	0.53466	0	Infty	<.0001

The REG Procedure
Model: MODEL1
Dependent Variable: knowhow





The CORR Procedure

3 With Variables:	knowhow problem_solving accountability
3 Variables:	Prin1 Prin2 Prin3

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
knowhow	67	0	1.00000	0	-0.65044	4.35032
problem_solving	67	0	1.00000	0	-0.59254	5.28394
accountability	67	0	1.00000	0	-0.57428	6.11642
Prin1	67	0	1.70531	0	-1.04919	9.08933
Prin2	67	0	0.28930	0	-1.07356	1.26543
Prin3	67	0	0.09067	0	-0.26532	0.22972

Pearson Correlation Coefficients, N = 67
Prob > |r| under H0: Rho=0

	Prin1	Prin2	Prin3
knowhow	0.98269 <.0001	-0.17883 0.1476	0.04848 0.6968
problem_solving	0.99648 <.0001	-0.04217 0.7347	-0.07238 0.5605
accountability	0.97439 <.0001	0.22347 0.0691	0.02513 0.8400

Number of Observations Read	67
Number of Observations Used	67

Analysis of Variance

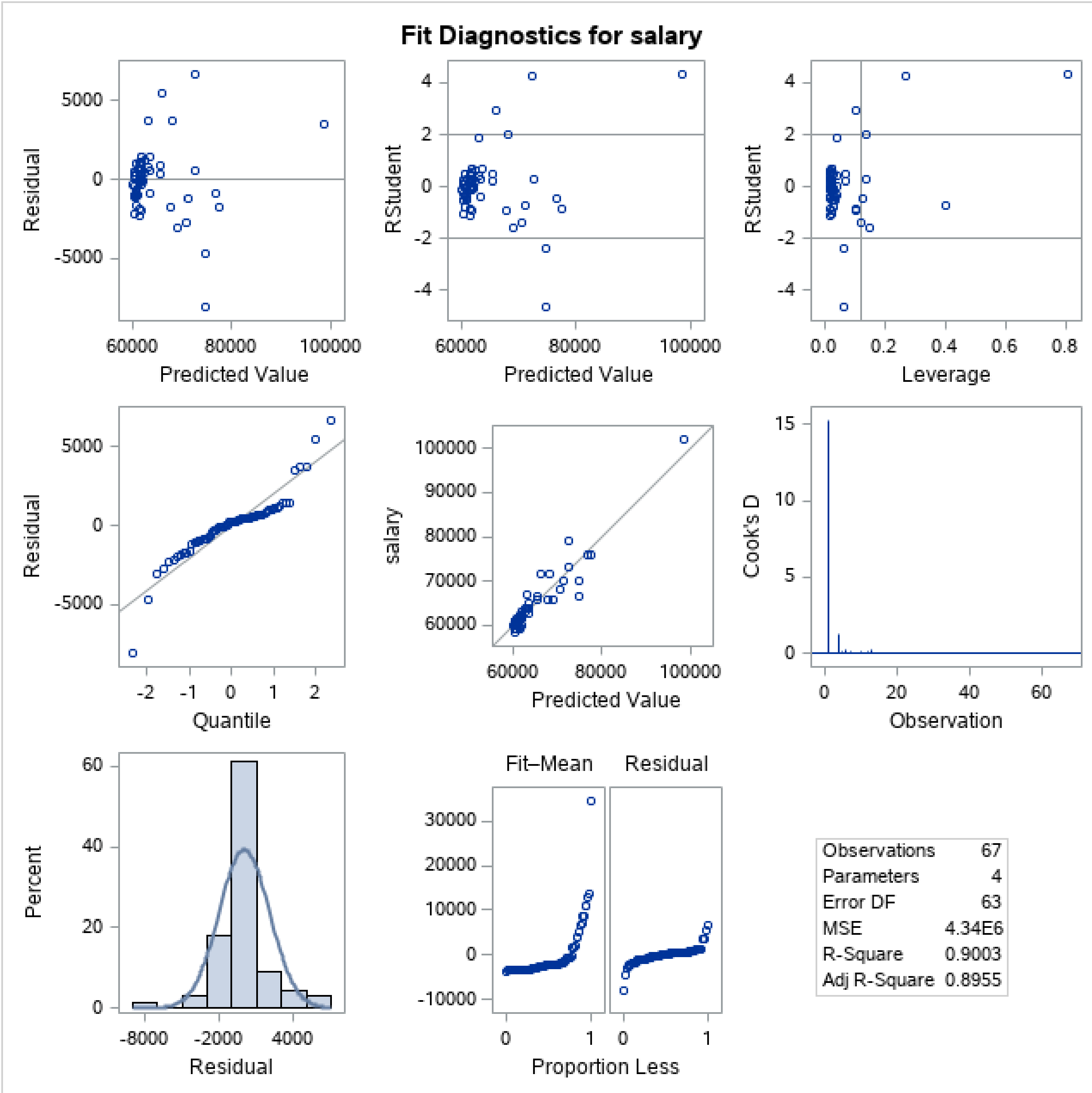
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	2465105931	821701977	189.55	<.0001
Error	63	273111655	4335106		
Corrected Total	66	2738217587			

Root MSE	2082.09165	**R-Square**	0.9003
Dependent Mean	63929	**Adj R-Sq**	0.8955
Coeff Var	3.25686		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	63929	254.36798	251.33	<.0001
Prin1	1	3557.20641	150.28811	23.67	<.0001
Prin2	1	2316.12408	885.87403	2.61	0.0112
Prin3	1	3540.61136	2826.52316	1.25	0.2150

The REG Procedure
Model: MODEL1
Dependent Variable: salary


Fit Diagnostics for salary
Residual
Predicted Value
RStudent
Predicted Value
RStudent
Leverage
Residual
Quantile
salary
Predicted Value
Cook's D
Observation
Percent
Residual
Fit–Mean
Residual
Proportion Less
Observations 67
Parameters 4
Error DF 63
MSE 4.34E6
R-Square 0.9003
Adj R-Square 0.8955

The REG Procedure
Model: MODEL1
Dependent Variable: salary

Number of Observations Read	67
Number of Observations Used	67

Analysis of Variance

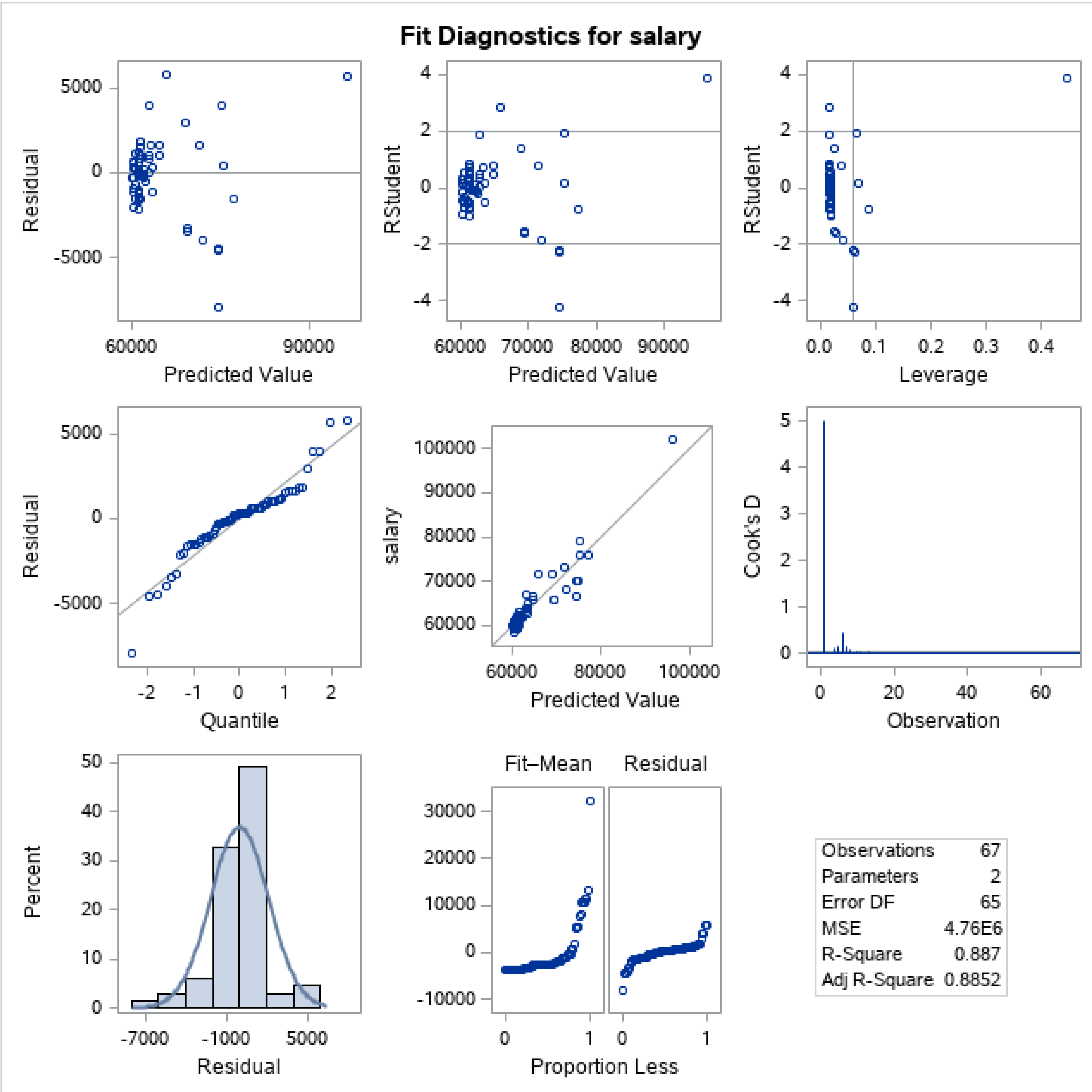
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	2428670447	2428670447	509.98	<.0001
Error	65	309547140	4762264		
Corrected Total	66	2738217587			

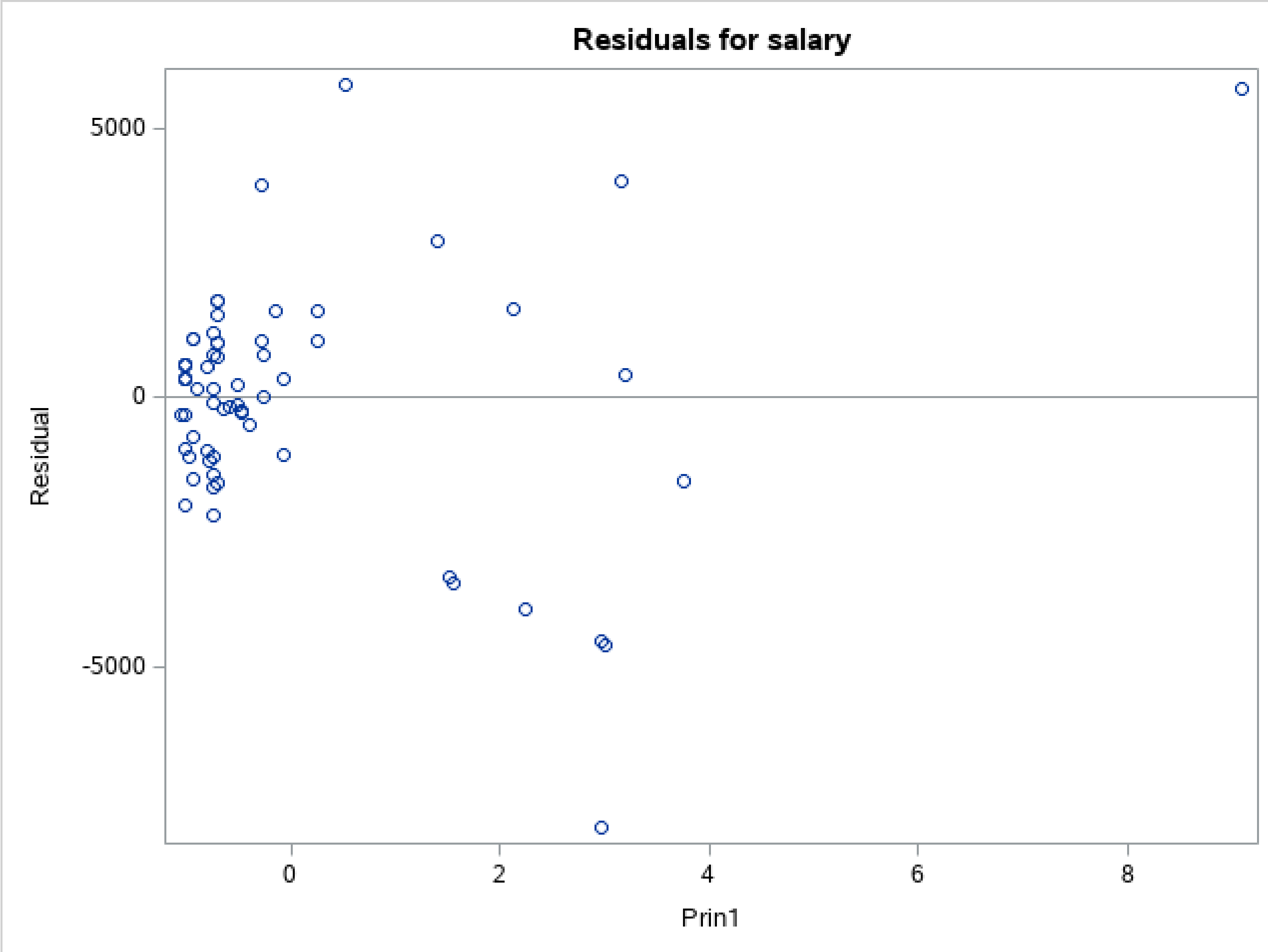
Root MSE	2182.26114	**R-Square**	0.8870
Dependent Mean	63929	**Adj R-Sq**	0.8852
Coeff Var	3.41355		

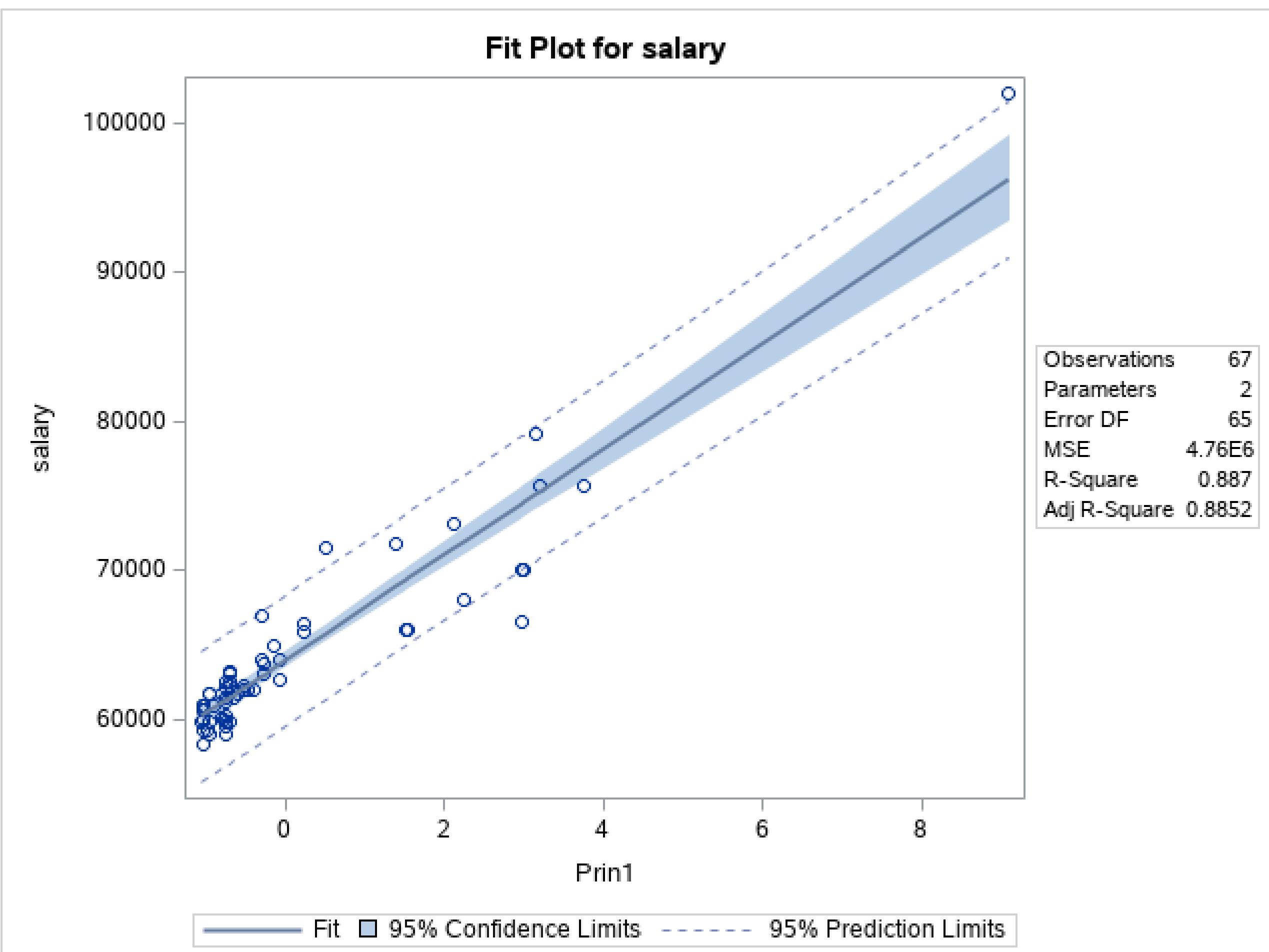
Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	63929	266.60563	239.79	<.0001
Prin1	1	3557.20641	157.51847	22.58	<.0001

The REG Procedure
Model: MODEL1
Dependent Variable: salary




Residuals for salary
5000
0
-5000
Residual
0
2
4
6
8
Prin1


Fit Plot for salary
100000
90000
80000
70000
60000
salary
0
2
4
6
8
Prin1
Observations 67
Parameters 2
Error DF 65
MSE 4.76E6
R-Square 0.887
Adj R-Square 0.8852
Fit
95% Confidence Limits
95% Prediction Limits