

The REG Procedure
Model: MODEL1
Dependent Variable: BOOKS

Number of Observations Read	10
Number of Observations Used	10

Forward Selection: Step 1

Variable ENROLLMENT Entered: R-Square = 0.5602 and C(p) = 6.0588

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	43.69702	43.69702	10.19	0.0128
Error	8	34.30298	4.28787		
Corrected Total	9	78.00000			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	1.53094	1.01341	9.78565	2.28	0.1693
ENROLLMENT	0.17763	0.05564	43.69702	10.19	0.0128

Bounds on condition number: 1, 1

Forward Selection: Step 2

Variable HIGHEST_DEGREE Entered: R-Square = 0.6370 and C(p) = 5.9529

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	49.68736	24.84368	6.14	0.0288
Error	7	28.31264	4.04466		
Corrected Total	9	78.00000			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-0.19936	1.72923	0.05376	0.01	0.9115
ENROLLMENT	0.14147	0.06167	21.28156	5.26	0.0555
HIGHEST_DEGREE	1.06332	0.87373	5.99034	1.48	0.2630

Bounds on condition number: 1.3023, 5.2094

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Forward Selection: Step 3

Variable AREA Entered: R-Square = 0.7812 and C(p) = 4.0000

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	60.93207	20.31069	7.14	0.0209
Error	6	17.06793	2.84465		
Corrected Total	9	78.00000			

Variable	Parameter Estimate	Standard Error	Type II SS	F Value	Pr > F
Intercept	-4.39541	2.56070	8.38127	2.95	0.1369
ENROLLMENT	0.11445	0.05348	13.02949	4.58	0.0761
HIGHEST_DEGREE	2.51818	1.03555	16.82124	5.91	0.0510
AREA	0.01208	0.00608	11.24472	3.95	0.0940

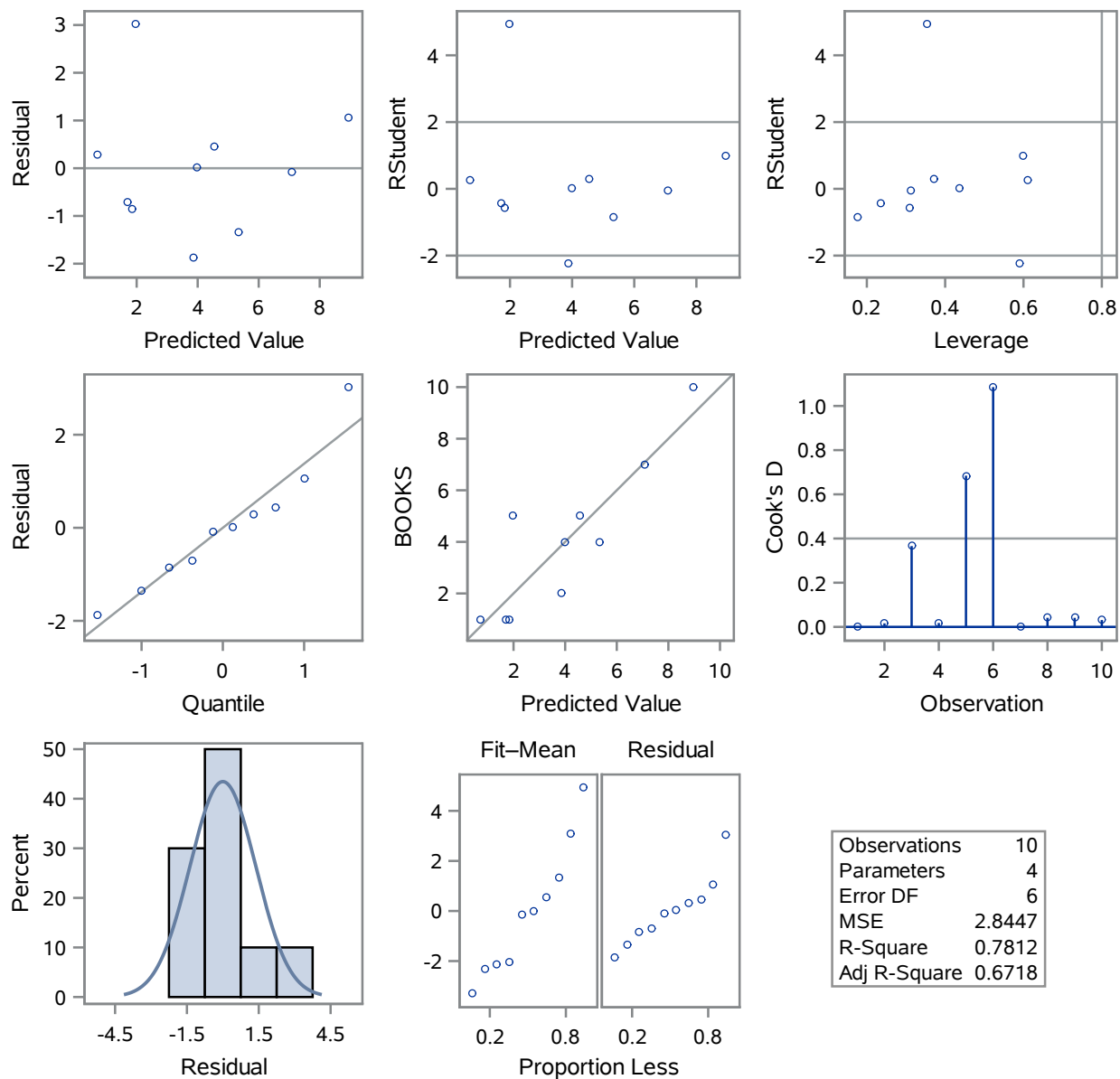
Bounds on condition number: 2.6011, 18.158

All variables have been entered into the model.

Summary of Forward Selection							
Step	Variable Entered	Number Vars In	Partial R-Square	Model R-Square	C(p)	F Value	Pr > F
1	ENROLLMENT	1	0.5602	0.5602	6.0588	10.19	0.0128
2	HIGHEST_DEGREE	2	0.0768	0.6370	5.9529	1.48	0.2630
3	AREA	3	0.1442	0.7812	4.0000	3.95	0.0940

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Fit Diagnostics for BOOKS



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