The GLMSELECT Procedure

Data Set	MYDATA.CAFETERIA
Dependent Variable	Sales
Selection Method	None

Number of Observations Read	14
Number of Observations Used	14

Dimensions	
Number of Effects	3
Number of Parameters	3

The GLMSELECT Procedure

Least Squares Summary			
Step	Effect Entered	Number Effects In	SBC
0	Intercept	1	134.9784
1	Dispensers	2	86.4322
2	Dispensers^2	3	62.1704*
* Optimal Value of Criterion			

The GLMSELECT Procedure
Least Squares Model (No Selection)

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	177741	88870	1448.87	<.0001
Error	11	674.71429	61.33766		
Corrected Total	13	178415			

Root MSE	7.83184
Dependent Mean	690.70000
R-Square	0.9962
Adj R-Sq	0.9955
AIC	76.25325
AICC	80.69769
SBC	62.17042

Parameter Estimates					
Parameter	DF	Estimate	Standard Error	t Value	Pr > |t|

Parameter Estimates

Parameter	DF	Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	499.371429	4.833914	103.31	<.0001
Dispensers	1	84.746429	3.773473	22.46	<.0001
Dispensers^2	1	-4.839286	0.604239	-8.01	<.0001

The REG Procedure
Model: MODEL1
Dependent Variable: Sales

Number of Observations Read	14
Number of Observations Used	14

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	177741	88870	1448.87	<.0001
Error	11	674.71429	61.33766		
Corrected Total	13	178415			

Root MSE	7.83184	R-Square	0.9962
Dependent Mean	690.70000	Adj R-Sq	0.9955
Coeff Var	1.13390		

Parameter Estimates

Variable	Label	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|	Squared Semi-partial Corr Type I	Cumulative R-Square	Type I F Value	Pr > F
Intercept	Intercept	1	499.37143	4.83391	103.31	<.0001	.	0	.	.
Dispensers	Dispensers	1	84.74643	3.77347	22.46	<.0001	0.97417	0.97417	2833.60	<.0001
Dispensers^2	Dispensers^2	1	-4.83929	0.60424	-8.01	<.0001	0.02205	0.99622	64.14	<.0001

The REG Procedure
Model: MODEL1
Dependent Variable: Sales

Distribution of Residuals for Sales

Residual by Predicted for Sales

RStudent by Predicted for Sales

Observed by Predicted for Sales

Cook's D for Sales

Outlier and Leverage Diagnostics for Sales

○ Outlier   ○ Leverage   ○ Outlier and Leverage

Q-Q Plot of Residuals for Sales

Residual-Fit Spread Plot for Sales