

**Table 7.1** Curvilinear Analysis of AAUP Data

Variables Entered/Removed <sup>a</sup>			
Model	Variables Entered	Variables Removed	Method
1	zNUM_TOT	.	Enter
2	zNUM_TOT <sup>2</sup>	.	Enter
3	zNUM_TOT <sup>3</sup>	.	Enter
4	zNUM_TOT <sup>4</sup>	.	Enter

<sup>a</sup>Dependent variable: SAL\_AP.

Model Summary <sup>a</sup>									
Model	R	R <sup>2</sup>	Adjusted R <sup>2</sup>	SE of the Estimate	Change Statistics				
					R <sup>2</sup> Change	F Change	df1	df2	Sig. F Change
1	0.494 <sup>b</sup>	0.244	0.244	62.223	0.244	362.895	1	1,123	.000
2	0.586 <sup>c</sup>	0.344	0.342	58.018	0.099	169.688	1	1,122	.000
3	0.618 <sup>d</sup>	0.382	0.380	56.318	0.038	69.763	1	1,121	.000
4	0.643 <sup>e</sup>	0.413	0.411	54.896	0.031	59.829	1	1,120	.000

<sup>a</sup>Dependent variable: SAL\_AP.

<sup>b</sup>Predictors: (constant), zNUM\_TOT.

<sup>c</sup>Predictors: (constant), zNUM\_TOT, zNUM\_TOT<sup>2</sup>.

<sup>d</sup>Predictors: (constant), zNUM\_TOT, zNUM\_TOT<sup>2</sup>, zNUM\_TOT<sup>3</sup>.

<sup>e</sup>Predictors: (constant), zNUM\_TOT, zNUM\_TOT<sup>2</sup>, zNUM\_TOT<sup>3</sup>, zNUM\_TOT<sup>4</sup>.

Analysis of Variance <sup>a</sup>					
Model		Sum of Squares	df	Mean Square	p
1	Regression	1,405,040.683	1	1,405,040.683	.000 <sup>b</sup>
	Residual	4,347,982.294	1,123	3,871.756	
	Total	5,753,022.978	1,124		
2	Regression	1,976,232.584	2	988,116.292	.000 <sup>c</sup>
	Residual	3,776,790.394	1,122	3,366.123	
	Total	5,753,022.978	1,124		
3	Regression	2,197,501.684	3	732,500.561	.000 <sup>d</sup>
	Residual	3,555,521.294	1,121	3,171.741	
	Total	5,753,022.978	1,124		
4	Regression	2,377,801.174	4	594,450.293	.000 <sup>e</sup>
	Residual	3,375,221.804	1,120	3,013.591	
	Total	5,753,022.978	1,124		

<sup>a</sup>Dependent variable: SAL\_AP.

<sup>b</sup>Predictors: (constant), zNUM\_TOT.

<sup>c</sup>Predictors: (constant), zNUM\_TOT, zNUM\_TOT<sup>2</sup>.

<sup>d</sup>Predictors: (constant), zNUM\_TOT, zNUM\_TOT<sup>2</sup>, zNUM\_TOT<sup>3</sup>.

<sup>e</sup>Predictors: (constant), zNUM\_TOT, zNUM\_TOT<sup>2</sup>, zNUM\_TOT<sup>3</sup>, zNUM\_TOT<sup>4</sup>.

(Continued)