

**Table 7.6** Replication of Two Small(er) Samples Predicting Faculty Salary From Institution Size

**Model Summary<sup>a</sup>**

Model	<i>R</i>	<i>R</i> <sup>2</sup>	Adjusted <i>R</i> <sup>2</sup>	<i>SE</i> of the Estimate	Change Statistics				
					<i>R</i> <sup>2</sup> Change	<i>F</i> Change	<i>df</i> 1	<i>df</i> 2	Sig. <i>F</i> Change
Sample 1 ( <i>N</i> = 176)									
1	0.530	0.281	0.277	60.016	0.281	67.991	1	174	.000
2	0.660	0.436	0.430	53.295	0.155	47.653	1	173	.000
3	0.712	0.506	0.498	50.018	0.070	24.408	1	172	.000
4	0.732	0.536	0.525	48.636	0.030	10.913	1	171	.001
Sample 2 ( <i>N</i> = 176)									
1	0.553	0.306	0.302	62.393	0.306	73.577	1	167	.000
2	0.641	0.411	0.404	57.662	0.105	29.526	1	166	.000
3	0.651	0.424	0.414	57.161	0.014	3.925	1	165	.049
4	0.663	0.440	0.427	56.541	0.016	4.638	1	164	.033

**Sample 1: Final model (Step 4)**

Model		Unstandardized Coefficients		Standardized Coefficients	<i>t</i>	<i>p</i>	95% CI for <i>B</i>	
		<i>B</i>	<i>SE</i>	Beta			Lower Bound	Upper Bound
4	(Constant)	462.213	6.504		71.063	.000	449.373	475.052
	<i>z</i> NUM_TOT	89.000	8.495	1.283	10.476	.000	72.231	105.769
	<i>z</i> NUM_TOT <sup>2</sup>	-87.862	13.265	-4.136	-6.624	.000	-114.046	-61.678
	<i>z</i> NUM_TOT <sup>3</sup>	29.678	7.094	6.536	4.183	.000	15.675	43.682
	<i>z</i> NUM_TOT <sup>4</sup>	-3.072	0.930	-3.297	-3.303	.001	-4.908	-1.236

**Sample 2: Final model (Step 4)**

Model		Unstandardized Coefficients		Standardized Coefficients	<i>t</i>	<i>p</i>	95% CI for <i>B</i>	
		<i>B</i>	<i>SE</i>	Beta			Lower Bound	Upper Bound
4	(Constant)	449.811	7.933		56.698	.000	434.146	465.476
	<i>z</i> NUM_TOT	75.028	8.780	1.123	8.545	.000	57.691	92.365
	<i>z</i> NUM_TOT <sup>2</sup>	-56.205	15.277	-2.635	-3.679	.000	-86.370	-26.040
	<i>z</i> NUM_TOT <sup>3</sup>	19.617	7.840	4.240	2.502	.013	4.136	35.098
	<i>z</i> NUM_TOT <sup>4</sup>	-2.217	1.029	-2.303	-2.154	.033	-4.250	-0.184

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