

Regression

[DataSet1] /Users/keithmccormick/Desktop/Resources/Case Study Data/MWBank.sav

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	Sex of Employee, Education Level ^b	.	Enter

a. Dependent Variable: Beginning Salary

b. All requested variables entered.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.681 ^a	.463	.461	2312.574

a. Predictors: (Constant), Sex of Employee, Education Level

b. Dependent Variable: Beginning Salary

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	2.164E+9	2	1.082E+9	202.290	.000 ^b
	Residual	2.508E+9	469	5348000.14		
	Total	4.672E+9	471			

a. Dependent Variable: Beginning Salary

b. Predictors: (Constant), Sex of Employee, Education Level

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-433.306	589.196		-.735	.462
	Education Level	592.774	39.593	.542	14.972	.000
	Sex of Employee	-1655.908	228.732	-.262	-7.240	.000

a. Dependent Variable: Beginning Salary

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	2652.98	12014.94	6818.37	2143.324	472
Std. Predicted Value	-1.943	2.425	.000	1.000	472
Standard Error of Predicted Value	144.979	297.303	180.314	38.489	472
Adjusted Predicted Value	2602.57	11964.78	6815.50	2143.206	472
Residual	-3418.301	21162.604	.000	2307.659	472
Std. Residual	-1.478	9.151	.000	.998	472
Stud. Residual	-1.481	9.197	.001	1.001	472
Deleted Residual	-3431.930	21376.305	2.873	2324.442	472
Stud. Deleted Residual	-1.483	10.148	.004	1.029	472
Mahal. Distance	.853	6.787	1.996	1.421	472
Cook's Distance	.000	.285	.002	.014	472
Centered Leverage Value	.002	.014	.004	.003	472

a. Dependent Variable: Beginning Salary

Regression

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	T, Sex of Employee, Education Level ^b	.	Enter

a. Dependent Variable: Beginning Salary

b. All requested variables entered.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.748 ^a	.560	.557	2095.902

a. Predictors: (Constant), T, Sex of Employee, Education Level

b. Dependent Variable: Beginning Salary

ANOVA^a

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	2.616E+9	3	872024984	198.512	.000 ^b
	Residual	2.056E+9	468	4392807.29		
	Total	4.672E+9	471			

a. Dependent Variable: Beginning Salary

b. Predictors: (Constant), T, Sex of Employee, Education Level

Coefficients^a

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	-102.976	534.984		-.192	.847
	Education Level	564.141	35.994	.516	15.673	.000
	Sex of Employee	-1631.802	207.315	-.258	-7.871	.000
	T	21376.304	2106.458	.312	10.148	.000

a. Dependent Variable: Beginning Salary

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	2778.35	31992.00	6818.37	2356.756	472
Std. Predicted Value	-1.714	10.681	.000	1.000	472
Standard Error of Predicted Value	131.579	2095.903	167.681	95.549	472
Adjusted Predicted Value	2729.08	11688.71	6762.25	2052.960	471
Residual	-3319.133	15076.727	.000	2089.217	472
Std. Residual	-1.584	7.193	.000	.997	472
Stud. Residual	-1.587	7.210	.001	1.000	472
Deleted Residual	-3332.439	15146.923	2.674	2105.529	471
Stud. Deleted Residual	-1.589	7.639	.003	1.015	471
Mahal. Distance	.858	470.002	2.994	21.588	472
Cook's Distance	.000	.061	.002	.005	471
Centered Leverage Value	.002	.998	.006	.046	472

a. Dependent Variable: Beginning Salary