

Anexo XVII

Modelo de Regresión (Software Minitab)

Consejo de Administración

The regression equation is

$$\begin{aligned} \text{Rendimiento} = & 0.373 - 0.118 \text{ 1} + 0.224 \text{ 2} + 0.075 \text{ 3} + 0.075 \text{ 4} + 0.187 \text{ 5} + 0.070 \text{ 6} \\ & - 0.044 \text{ 7} + 0.052 \text{ 8} + 0.003 \text{ 9} - 0.0309 \text{ 10} + 0.0186 \text{ 11} - 0.106 \text{ 12} \\ & - 0.0417 \text{ 13} - 0.026 \text{ 14} - 0.124 \text{ 15} - 0.286 \text{ 16} - 0.024 \text{ 17} + 0.090 \text{ 18} \\ & + 0.0679 \text{ 19} - 0.061 \text{ 20} - 0.570 \text{ 21} - 0.254 \text{ 22} - 0.0268 \text{ 23} \\ & - 0.124 \text{ 24} + 0.967 \text{ 25} + 0.103 \text{ 26} + 0.186 \text{ 27} \\ & - 0.104 \text{ Tamano de la empresa} \\ & + 0.094 \text{ Log Valor de mercado de Capita} - 0.335 \text{ Log Tobins Q} \\ & - 0.483 \text{ 2001} - 0.128 \text{ 2002} - 0.419 \text{ 2003} + 0.755 \text{ 2004} \end{aligned}$$

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	34	87.7134	2.5798	5.35	0.000
Residual Error	345	166.3201	0.4821		
Total	379	254.0335			

Evaluación y Compensación

The regression equation is

$$\begin{aligned} \text{Rendimiento} = & 0.632 - 0.0999 \text{ 28} - 0.0314 \text{ 29} - 0.135 \text{ Tamano de la empresa} \\ & + 0.106 \text{ Log Valor de mercado de Capita} - 0.331 \text{ Log Tobins Q} \\ & - 0.471 \text{ 2001} - 0.112 \text{ 2002} - 0.404 \text{ 2003} + 0.769 \text{ 2004} \end{aligned}$$

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	9	77.6815	8.6313	18.11	0.000
Residual Error	370	176.3520	0.4766		
Total	379	254.0335			

Auditoría

The regression equation is

$$\begin{aligned} \text{Rendimiento} = & 0.541 + 0.236 \text{ 30} - 0.098 \text{ 31} - 0.0563 \text{ 32} - 0.115 \text{ 33} + 0.119 \text{ 34} \\ & + 0.118 \text{ 35} + 0.158 \text{ 36} - 0.172 \text{ 37} + 0.128 \text{ 38} - 0.233 \text{ 39} + 0.228 \text{ 40} \\ & - 0.038 \text{ 41} - 0.257 \text{ 42} - 0.012 \text{ 43} - 0.160 \text{ Tamano de la empresa} \\ & + 0.131 \text{ Log Valor de mercado de Capita} - 0.350 \text{ Log Tobins Q} \\ & - 0.490 \text{ 2001} - 0.093 \text{ 2002} - 0.377 \text{ 2003} + 0.776 \text{ 2004} \end{aligned}$$

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	21	83.8754	3.9941	8.40	0.000
Residual Error	358	170.1581	0.4753		
Total	379	254.0335			

Finanzas y Planeación

The regression equation is

$$\begin{aligned} \text{Rendimiento} = & 0.615 + 0.077 \text{ 44} + 0.133 \text{ 45} - 0.325 \text{ 46} + 0.048 \text{ 47} \\ & - 0.137 \text{ Tamano de la empresa} \end{aligned}$$

+ 0.106 Log Valor de mercado de Capita - 0.345 Log Tobins Q
 - 0.469 2001 - 0.105 2002 - 0.404 2003 + 0.780 2004

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	11	77.6449	7.0586	14.73	0.000
Residual Error	368	176.3886	0.4793		
Total	379	254.0335			

Información a los accionistas

The regression equation is

Rendimiento = 0.584 + 0.175 48 - 0.099 49 - 0.159 50 + 0.113 51 + 0.116 52
 - 0.0772 53 - 0.172 54 + 0.041 55 - 0.135 Tamano de la empresa
 + 0.113 Log Valor de mercado de Capita - 0.317 Log Tobins Q
 - 0.487 2001 - 0.141 2002 - 0.396 2003 + 0.756 2004

Analysis of Variance

Source	DF	SS	MS	F	P
Regression	15	81.0077	5.4005	11.36	0.000
Residual Error	364	173.0258	0.4753		
Total	379	254.0335			