

Desiree Vargas

EDG 500

March 5, 2023

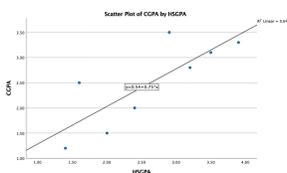
Step by step

Model	R	Adjusted R Square	Std. Error of Estimate
1	.801 ^a	0.582	0.54818

Model		Sum of squares	Df	Mean square	F	Sig.
1	Regression	3.226	1	3.226	10.735	.017 ^b
	Residual	1.803	6	0.300		
	Total	5.029	7			

Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	T	Sig.
1	(Constant)	0.537	0.626		0.858	0.424
	HSGPA	0.746	0.228	0.801	3.276	0.017

Step by step figure 11.18

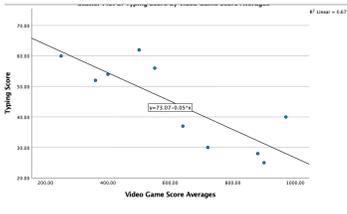


Exercise

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.821 ^a	0.675	0.634	8.47258

Model		Sum of Squares	Df	Mean Square	F	Sig.
1	Regression	1190.123	1	1190.123	16.579	.004 ^b
	Residual	574.277	8	71.785		
	Total	1764.4	9			

Model		Unstandardized Coefficients		Standardized Coefficients		Sig.
		B	Std. Error	Beta	T	
1	(Constant)	73.075	7.535		9.698	<.001
	Video Game Score Averages	-0.046	0.011	-0.821	-4.072	0.004



- Is the relationship statically significant ? No it is not.
 - Is the relationship direct or inverse? Inverse
 - Is the relationship perfect? No
 - Is the relationship linear? Yes
 - What percentage of variation in Typing Scores is explained by the variation in the Video Games Averages? .821 or 82.1 %
5. Given the regression equation, how many words per minute would a person type who possessed a game score average of 570? A person who possessed a game score of 570 would type words 46.855 or 47 per minute.