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 EDG500  
 Ch 11- Linear Regression

**Variables Entered/Removed<sup>a</sup>**

Model	Variables Entered	Variables Removed	Method
1	HSGPA <sup>b</sup>	.	Enter

a. Dependent Variable: CGPA

b. All requested variables entered.

**Model Summary**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.801 <sup>a</sup>	.641	.582	.54818

a. Predictors: (Constant), HSGPA

**ANOVA<sup>a</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	3.226	1	3.226	10.735	.017 <sup>b</sup>
	Residual	1.803	6	.300		
	Total	5.029	7			

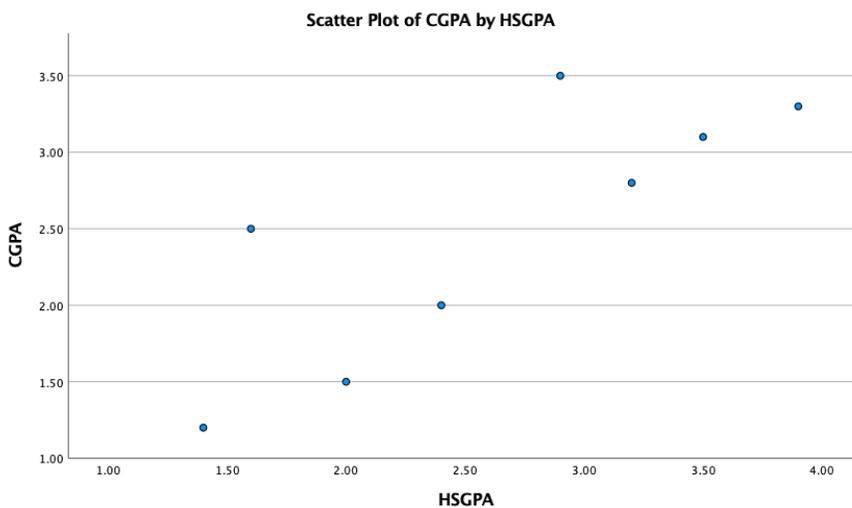
a. Dependent Variable: CGPA

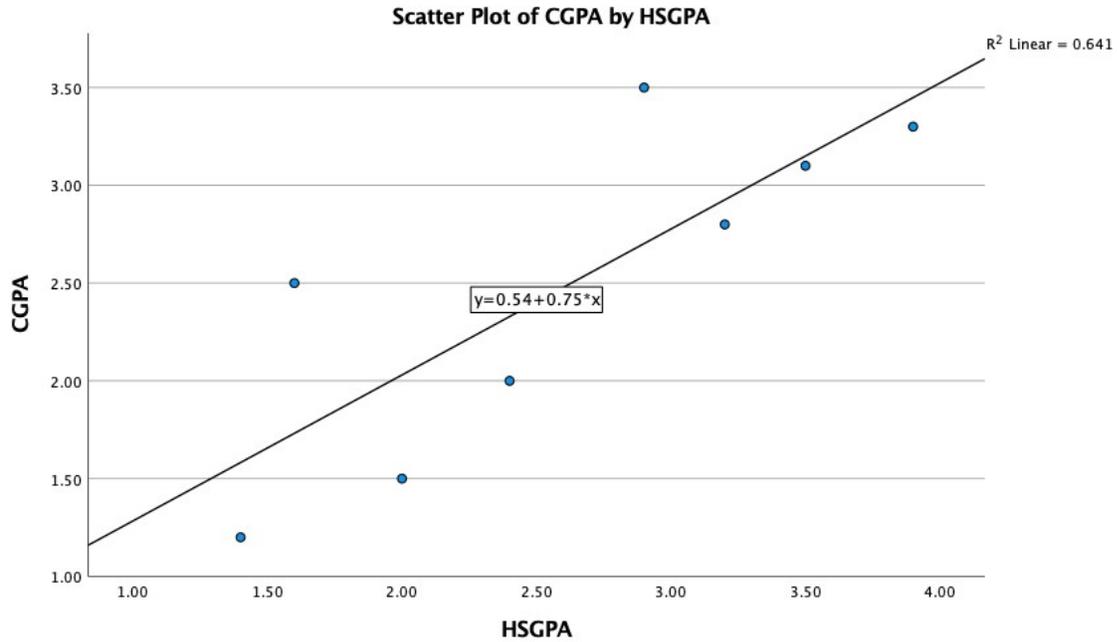
b. Predictors: (Constant), HSGPA

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	.537	.626		.858	.424
	HSGPA	.746	.228	.801	3.276	.017

a. Dependent Variable: CGPA





### Ch 11 Exercise:

#### Variables Entered/Removed<sup>a</sup>

Model	Variables Entered	Variables Removed	Method
1	Video Game Score Averages <sup>b</sup>	.	Enter

a. Dependent Variable: Typing Score

b. All requested variables entered.

#### Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.821 <sup>a</sup>	.675	.634	8.47258

a. Predictors: (Constant), Video Game Score Averages

#### ANOVA<sup>a</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1190.123	1	1190.123	16.579	.004 <sup>b</sup>
	Residual	574.277	8	71.785		
	Total	1764.400	9			

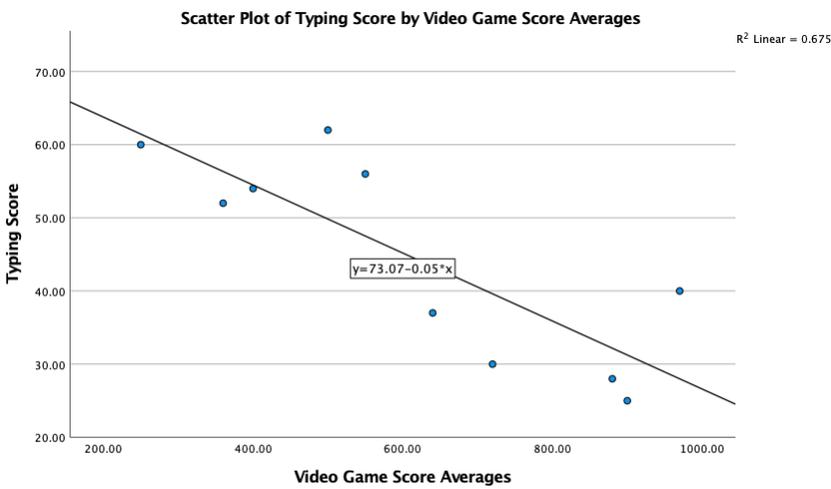
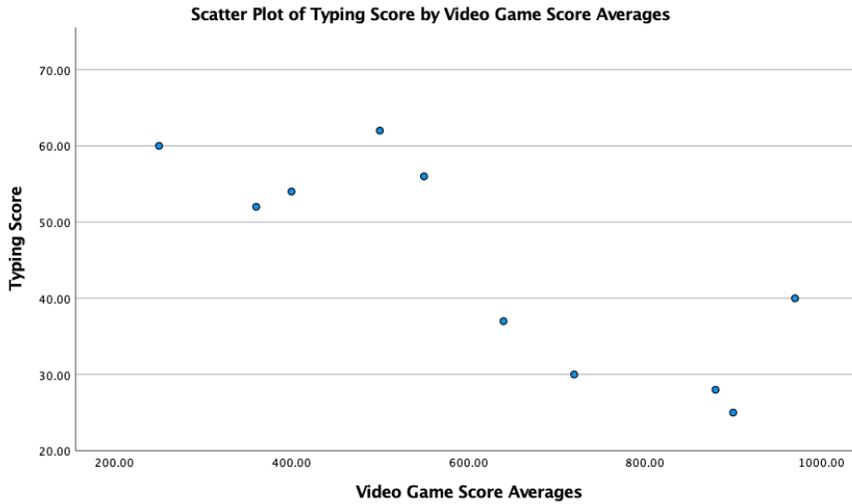
a. Dependent Variable: Typing Score

b. Predictors: (Constant), Video Game Score Averages

**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	73.075	7.535		9.698	<.001
	Video Game Score Averages	-.046	.011	-.821	-4.072	.004

a. Dependent Variable: Typing Score



- a. Yes, as the score averages are higher for video games, so is the typing score.
- b. Inverse
- c. No
- d. Yes
- e. Not sure

5. around 56