Julie Choi
EDG 500
SPSS 11

Step by Step Ch 11

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.801[a]	.641	.582	.54818

a. Predictors: (Constant), HSGPA

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	3.226	1	3.226	10.735	.017[b]
	Residual	1.803	6	.300		
	Total	5.029	7			

a. Dependent Variable: CGPA
b. Predictors: (Constant), HSGPA

Coefficients[a]

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

a. Dependent Variable: CGPA

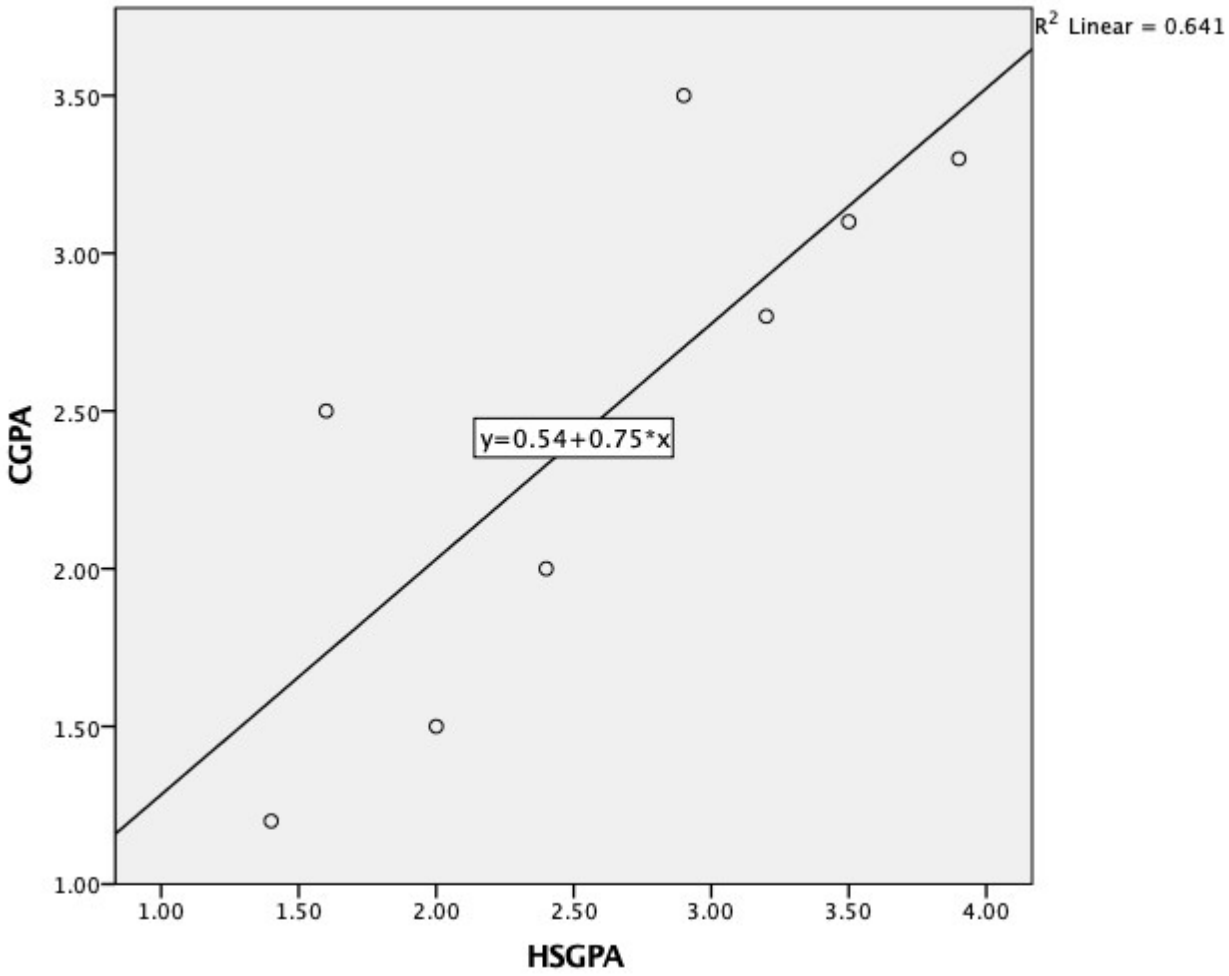

Figure 11.18. SPSS Statistics output showing scattergram with linear fit line superimposed.

Exercise for Chapter 11

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.821[a]	.675	.634	8.47258

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

ANOVA[a]

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	1764.400	9			

a. Dependent Variable: Typing Score

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

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	73.075	7.535		9.698	.000
	Video Game Score Averages	-.046	.011	-.821	-4.072	.004

a. Dependent Variable: Typing Score

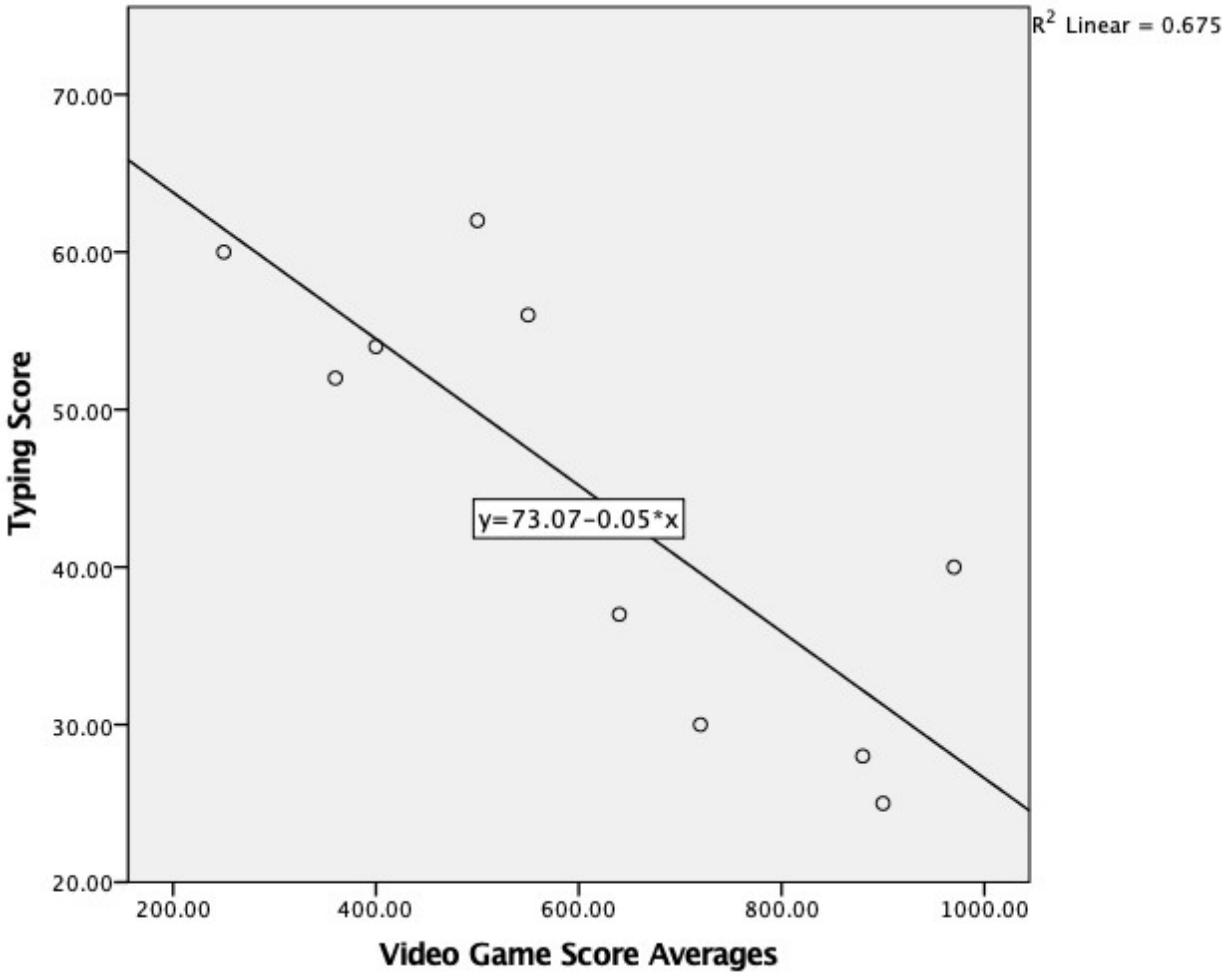

Figure 11. SPSS Statistics Output showing scattergram with linear fit line superimposed.

a. Is the relationship statistically significant? Yes
b. Is the relationship direct or inverse? Direct
c. Is the relationship perfect? No
d. Is the relationship linear? Yes
e. What percent of the variation in Typing Score is explained by the variation in the Video Game Score Averages? 67.5%

5. Given the regression equation, how many words per minute would a person type who possessed a game score average of 570? 50