

Step 1

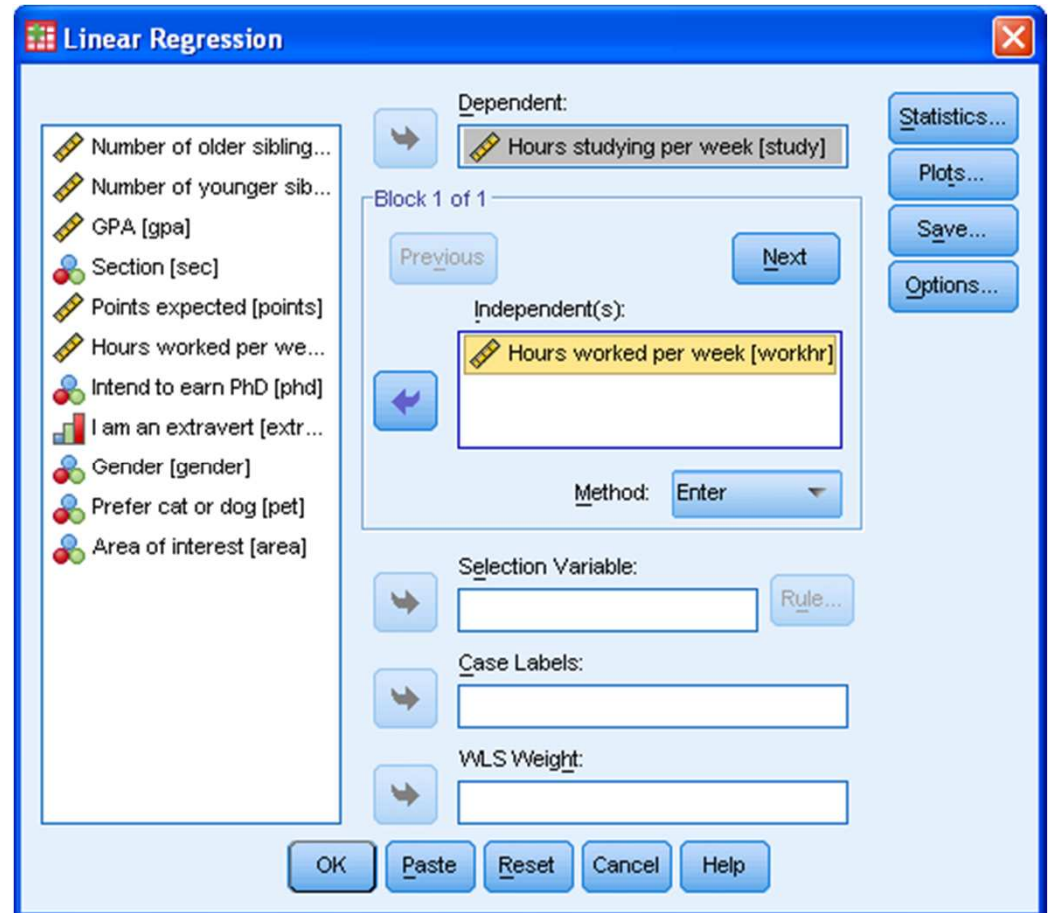
- Load the class data set from
<<http://academic.udayton.edu/gregelvers/psy216/SPSS/216dataS11.sav>>
- What is the predicted number of hours that a person studies per week given the number of hours that they work per week?

Step 3

- Create a scatterplot
 - Visually inspect it for a linear relation and non-truncated range

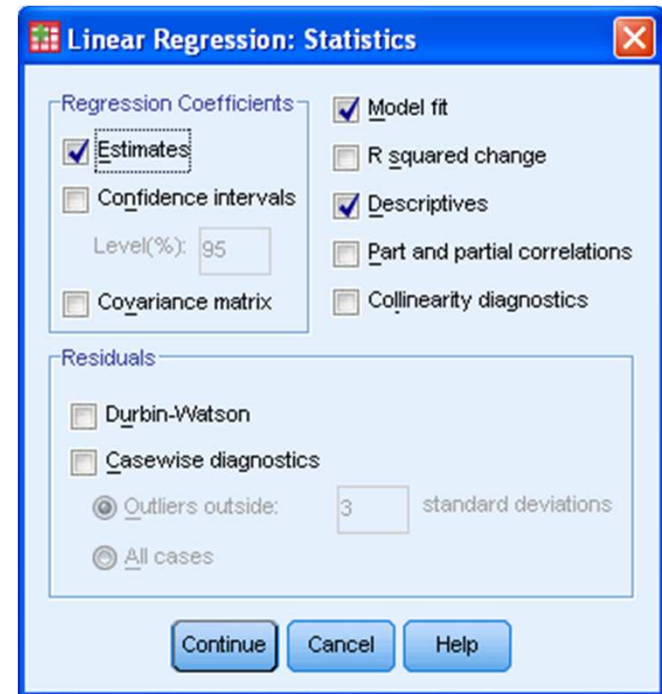
Step 3

- Analyze | Regression | Linear
- Move the variable that you are predicting (hours studying) into the Dependent box
- Move the variable that you are predicting from (work hours) into the Independent(s) box



Step 3

- Click on Statistics button
- Select Descriptives
- Click on Continue
- Click on OK



Step 4

- $M_{\text{hours studying}} = 15.46$
- $S_{\text{hours studying}} = 11.20$
- $M_{\text{hours worked}} = 8.00$
- $S_{\text{hours worked}} = 9.70$
- $r_{\text{hours studying, hours worked}} = -.269, p = .092, N = 26$

Descriptive Statistics

	Mean	Std. Deviation	N
Hours studying per week	15.46	11.197	26
Hours worked per week	8.00	9.699	26

Correlations

		Hours studying per week	Hours worked per week
Pearson Correlation	Hours studying per week	1.000	-.269
	Hours worked per week	-.269	1.000
Sig. (1-tailed)	Hours studying per week	.	.092
	Hours worked per week	.092	.
N	Hours studying per week	26	26
	Hours worked per week	26	26

Step 4

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1	(Constant)	17.945	2.821	6.361	.000
	Hours worked per week	-.310	.227	-.269	.184

a. Dependent Variable: Hours studying per week

- Predicted hours studying = $-0.310 X$ hours worked + 17.95