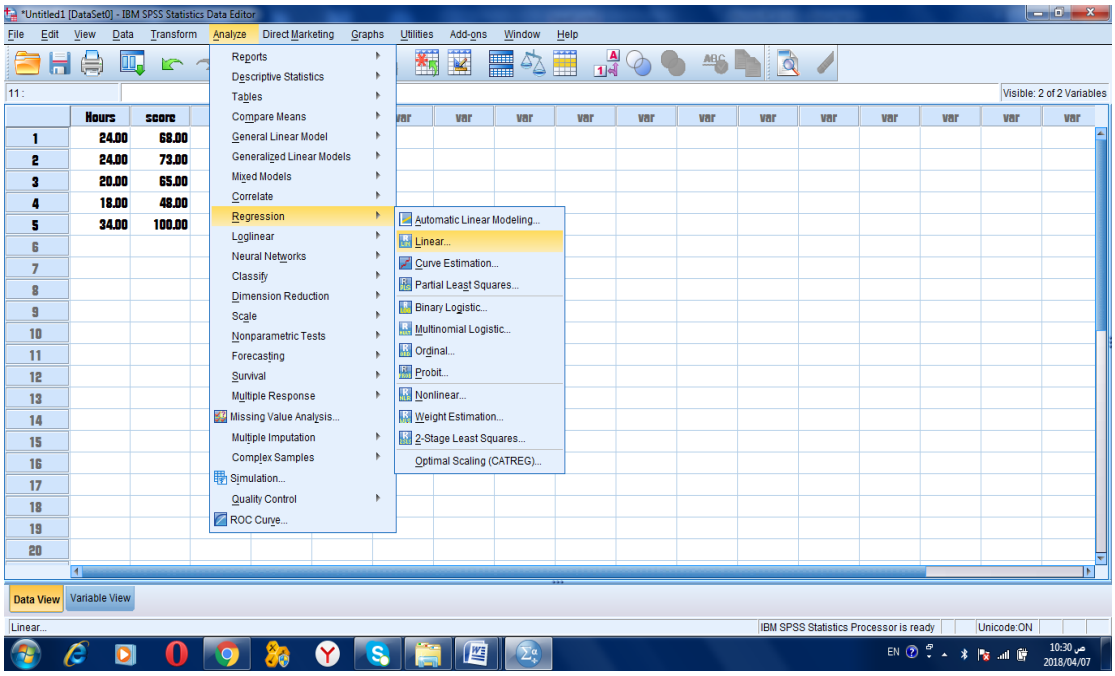
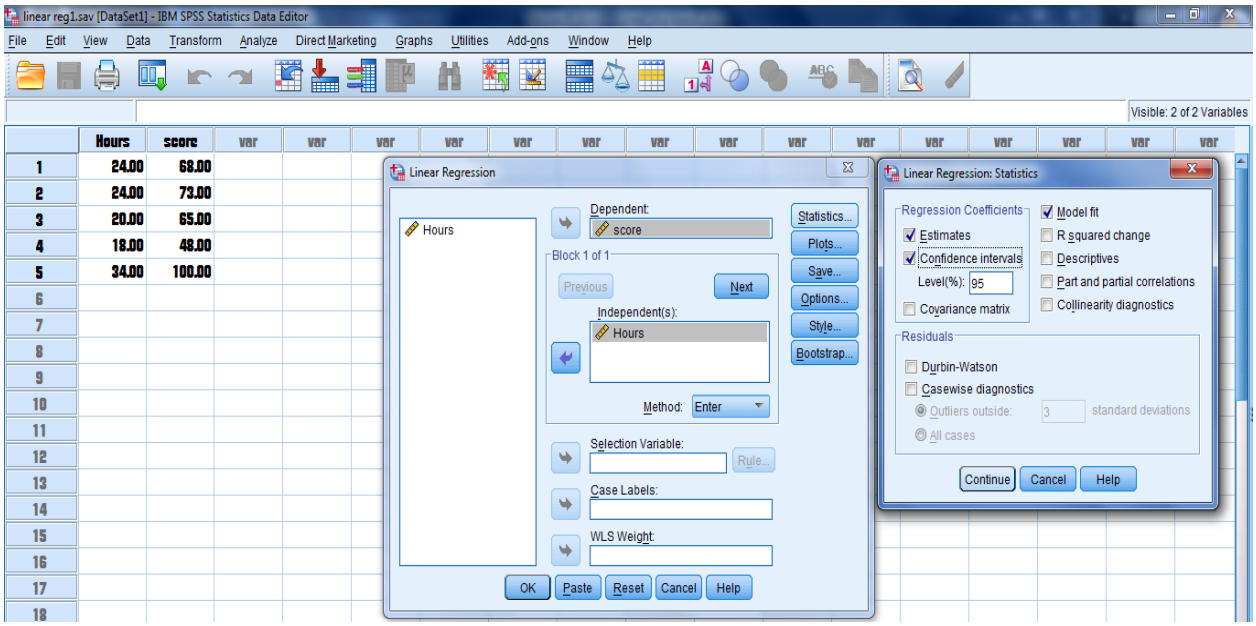
Linear regression

Linear regression are used to explain the relationship between dependent variable and independent variables

For **linear regression** test, click analyzed then regression . After that click on linear as shown below





Output

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.973[a]	.947	.930	4.98981

a. Predictors: (Constant), Hours

ANOVA[a]

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1344.105	1	1344.105	53.984	.005[b]
	Residual	74.695	3	24.898		
	Total	1418.800	4			

a. Dependent Variable: score

b. Predictors: (Constant), Hours

Coefficients[a]

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95.0% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	-.568-	9.966		-.057-	.958	-32.286-	31.149
	Hours	2.974	.405	.973	7.347	.005	1.686	4.262

a. Dependent Variable: score