

## Coleman Data: Regression Analysis

**Model Summary**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.927 <sup>a</sup>	.860	.852	3.70509

a. Predictors: (Constant), status

**ANOVA<sup>b</sup>**

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	1513.213	1	1513.213	110.230	.000 <sup>a</sup>
	Residual	247.099	18	13.728		
	Total	1760.312	19			

a. Predictors: (Constant), status

b. Dependent Variable: testscore

## Coleman Data: General Linear Model Analysis

**Tests of Between-Subjects Effects**

Dependent Variable: testscore

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	1513.213 <sup>a</sup>	1	1513.213	110.230	.000
Intercept	1307.621	1	1307.621	95.254	.000
status	1513.213	1	1513.213	110.230	.000
Error	247.099	18	13.728		
Total	1957.567	20			
Corrected Total	1760.312	19			

a. R Squared = .860 (Adjusted R Squared = .852)

**Parameter Estimates**

Dependent Variable: testscore

Parameter	B	Std. Error	t	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Intercept	-50.682	5.193	-9.760	.000	-61.591	-39.772
status	1.534	.146	10.499	.000	1.227	1.841

## Coleman Data: Regression Analysis

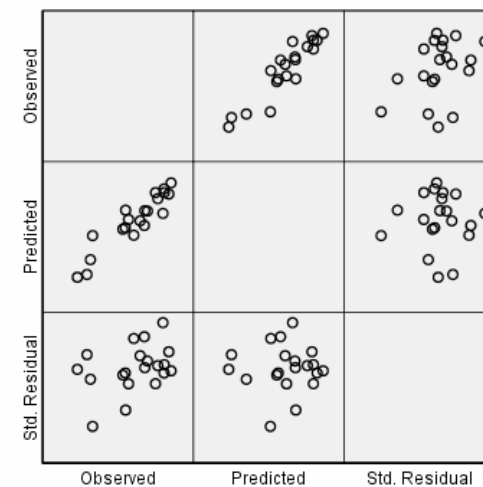
**Coefficients<sup>a</sup>**

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	-50.682	5.193		-9.760	.000	-61.591	-39.772
	status	1.534	.146	.927	10.499	.000	1.227	1.841

a. Dependent Variable: testscore

## Coleman Data: Residuals

**Dependent Variable: testscore**



Model: Intercept + status

## Hooker Data: Regression Analysis

### Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.996 <sup>a</sup>	.992	.991	.8060

a. Predictors: (Constant), Pressure

### ANOVA<sup>b</sup>

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	2272.474	1	2272.474	3497.902	.000 <sup>a</sup>
	Residual	18.840	29	.650		
	Total	2291.315	30			

a. Predictors: (Constant), Pressure

b. Dependent Variable: Boiling point of Water (C)

## Hooker Data: Regression Analysis

### Coefficients<sup>a</sup>

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.	95% Confidence Interval for B	
		B	Std. Error	Beta			Lower Bound	Upper Bound
1	(Constant)	146.673	.776		188.911	.000	145.085	148.261
	Pressure	2.253	.038	.996	59.143	.000	2.175	2.330

a. Dependent Variable: Boiling point of Water (C)

## Hooker Data: General Linear Model Analysis

### Tests of Between-Subjects Effects

Dependent Variable: Boiling point of Water (C)

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	2272.474 <sup>a</sup>	1	2272.474	3497.902	.000
Intercept	23184.901	1	23184.901	35687.311	.000
pressure	2272.474	1	2272.474	3497.902	.000
Error	18.840	29	.650		
Total	1142542.320	31			
Corrected Total	2291.315	30			

a. R Squared = .992 (Adjusted R Squared = .991)

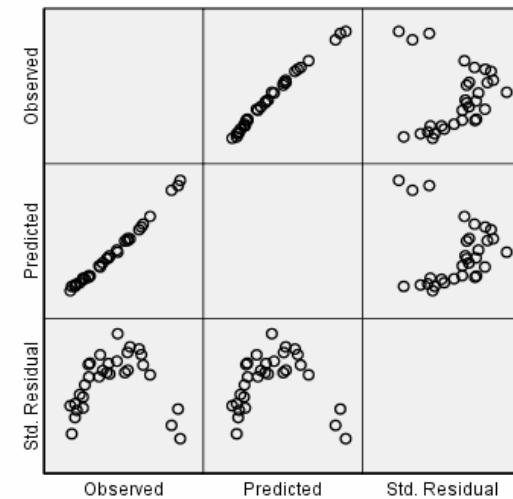
### Parameter Estimates

Dependent Variable: Boiling point of Water (C)

Parameter	B	Std. Error	t	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Intercept	146.673	.776	188.911	.000	145.085	148.261
pressure	2.253	.038	59.143	.000	2.175	2.330

## Hooker Data: Residuals

Dependent Variable: Boiling point of Water (C)



Model: Intercept + pressure