

## ***Exercício 1***

### **Regression**

**Descriptive Statistics**

	Mean	Std. Deviation	N
<b>I (intensidade de corrente)</b>	<i>1,5460</i>	<i>,72807</i>	<i>5</i>
<b>V (dif. Potencial)</b>	<i>1,3600</i>	<i>,61074</i>	<i>5</i>

**Correlations**

		<b>I (intensidade de corrente)</b>	<b>V (dif. Potencial)</b>
<b>Pearson Correlation</b>	<b>I (intensidade de corrente)</b>	<i>1,000</i>	<i>,994</i>
	<b>V (dif. Potencial)</b>	<i>,994</i>	<i>1,000</i>
<b>Sig. (1-tailed)</b>	<b>I (intensidade de corrente)</b>	.	<i>,000</i>
	<b>V (dif. Potencial)</b>	<i>,000</i>	.
<b>N</b>	<b>I (intensidade de corrente)</b>	<i>5</i>	<i>5</i>
	<b>V (dif. Potencial)</b>	<i>5</i>	<i>5</i>

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

<b>Model</b>	<b>Variables Entered</b>	<b>Variables Removed</b>	<b>Method</b>
<b>1</b>	<i>V (dif. Potencial)<sup>a</sup></i>	.	<i>Enter</i>

a. All requested variables entered.

b. Dependent Variable: I (intensidade de corrente)

**Model Summary<sup>b</sup>**

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	,994 <sup>a</sup>	,987	,983	,09515

a. Predictors: (Constant), V (dif. Potencial)

b. Dependent Variable: I (intensidade de corrente)

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

Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	2,093	1	2,093	231,210	,001 <sup>a</sup>
	Residual	,027	3	,009		
	Total	2,120	4			

a. Predictors: (Constant), V (dif. Potencial)

b. Dependent Variable: I (intensidade de corrente)

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

Model		Unstandardized Coefficients		Standardized Coefficients		
		B	Std. Error	Beta	t	Sig.
1	(Constant)	-,065	,114		-,568	,610
	V (dif. Potencial)	1,184	,078	,994	15,206	,001

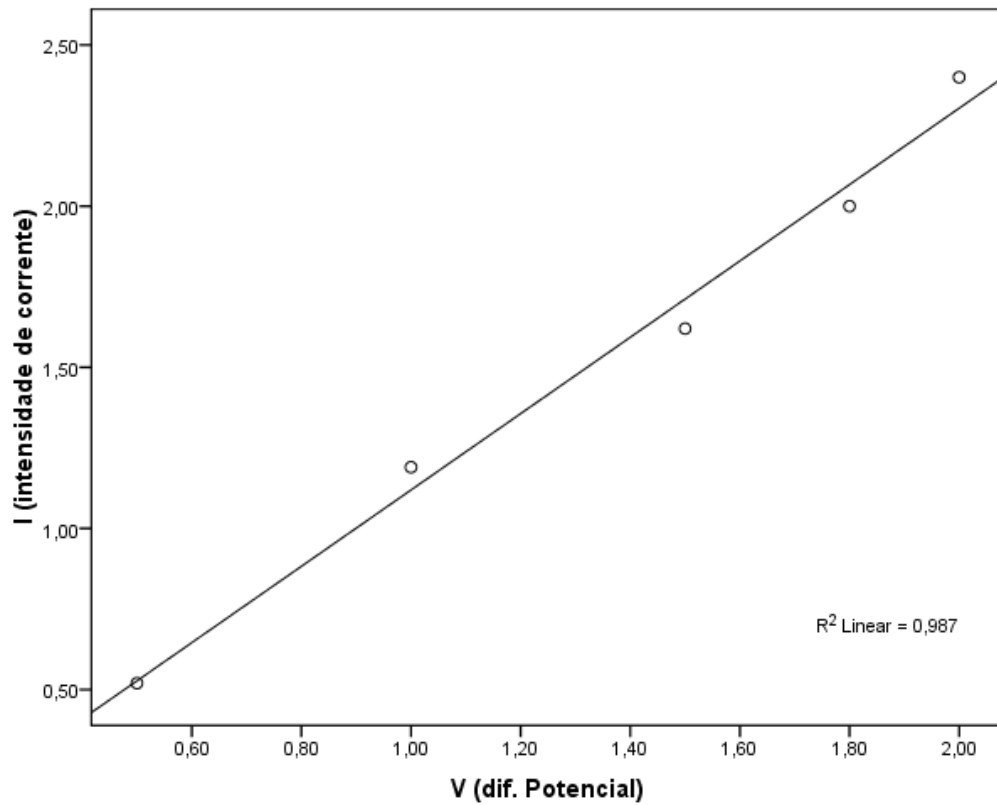
a. Dependent Variable: I (intensidade de corrente)

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

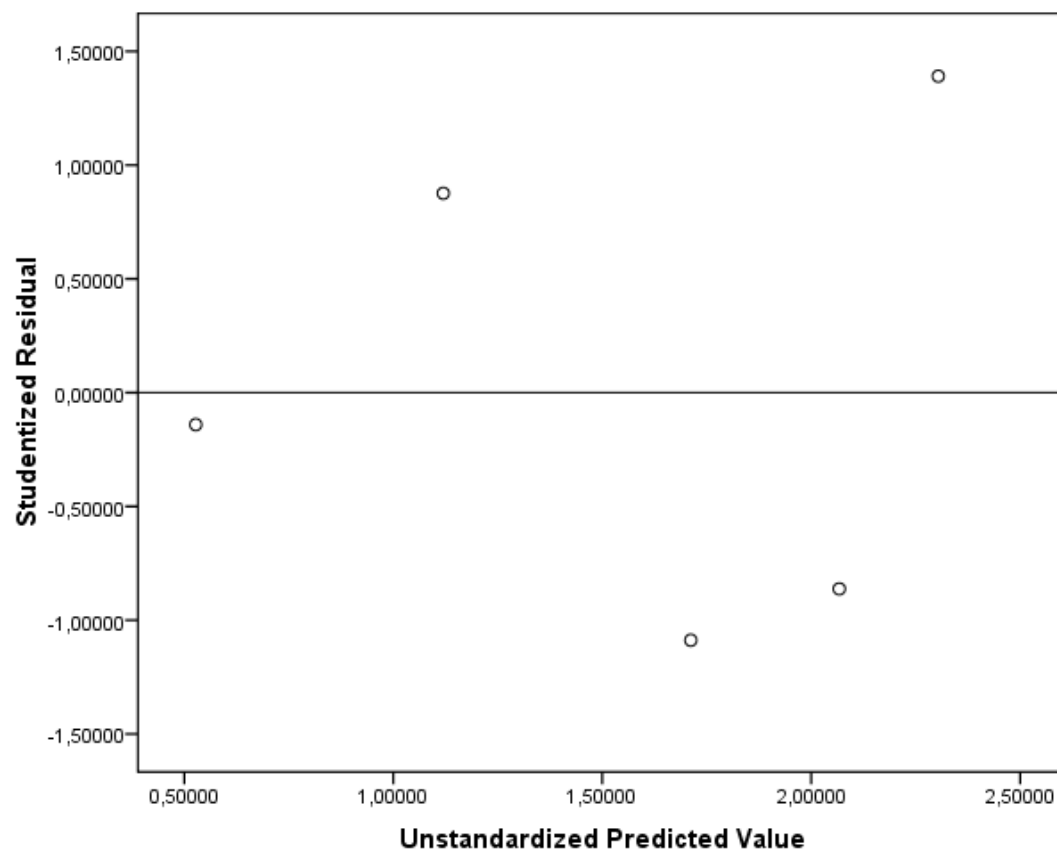
Model		95,0% Confidence Interval for B	
		Lower Bound	Upper Bound
1	(Constant)	-,428	,298
	V (dif. Potencial)	,937	1,432

a. Dependent Variable: I (intensidade de corrente)

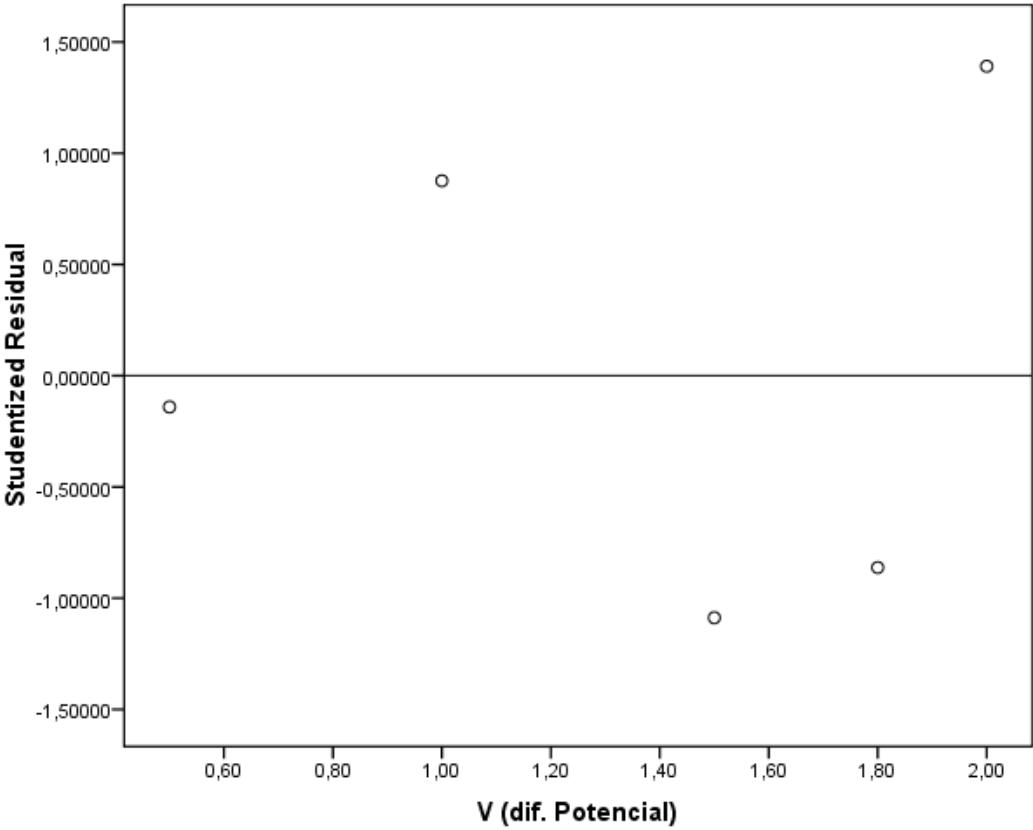
## Graph



## Graph



Graph



Explore

Case Processing Summary						
	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Studentized Residual	5	100,0%	0	,0%	5	100,0%

### Descriptives

		Statistic	Std. Error
Studentized Residual	Mean	,0353615	,48184425
	95% Confidence Interval for Mean		
	Lower Bound	-1,3024526	
	Upper Bound	1,3731756	
	5% Trimmed Mean	,0224441	
	Median	-,1404695	
	Variance	1,161	
	Std. Deviation	1,07743649	
	Minimum	-1,08794	
	Maximum	1,39117	
	Range	2,47911	
	Interquartile Range	2,10873	
	Skewness	,313	,913
	Kurtosis	-2,322	2,000

### NPar Tests

#### One-Sample Kolmogorov-Smirnov Test

		Studentized Residual
	N	5
Normal Parameters <sup>a,b</sup>	Mean	,0353615
	Std. Deviation	1,07743649
Most Extreme Differences	Absolute	,198
	Positive	,198
	Negative	-,182
	Kolmogorov-Smirnov Z	,442
	Asymp. Sig. (2-tailed)	,990

a. Test distribution is Normal.

b. Calculated from data.