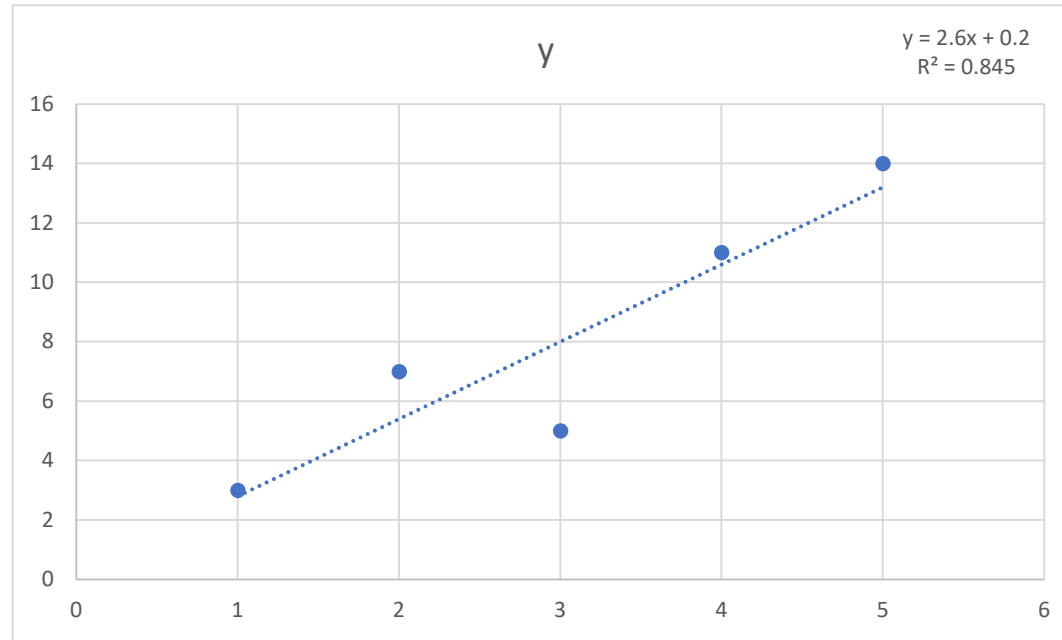


Term 1231 – STAT 3311 – Chapter 14 Excel Example (Sheet 1)

Dr. Hani Kabajah

x	y
1	3
2	7
3	5
4	11
5	14



x	y
1	3
2	7
3	5
4	11
5	14

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.919238816
R Square	0.845
Adjusted R Square	0.793333333
Standard Error	2.033060091
Observations	5

ANOVA

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	67.6	67.6	16.35483871	0.027214829
Residual	3	12.4	4.133333333		
Total	4	80			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 99.0%</i>	<i>Upper 99.0%</i>
Intercept	0.2	2.132291412	0.09379581	0.931184657	-6.585902927	6.985902927	-12.25452076	12.65452076
x	2.6	0.642910051	4.044111609	0.027214829	0.553973284	4.646026716	-1.155179301	6.355179301

x	y
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x	2.6	0.642910051	4.044111609	0.027214829	0.553973284	4.646026716	-1.155179301	6.355179301

RESIDUAL OUTPUT

Observation	Predicted y	Residuals	Standard Residuals
1	2.8	0.2	0.113592367
2	5.4	1.6	0.908738935
3	8	-3	-1.703885503
4	10.6	0.4	0.227184734
5	13.2	0.8	0.454369467

PROBABILITY OUTPUT

Percentile	y
10	3
30	5
50	7
70	11
90	14

