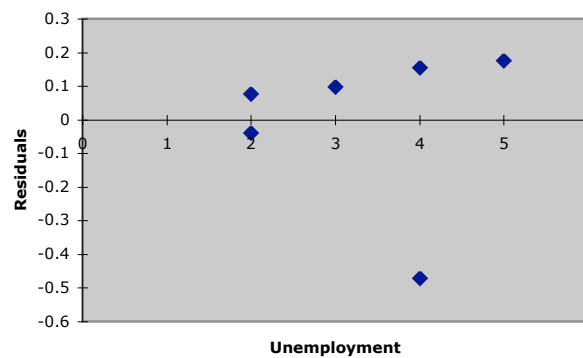


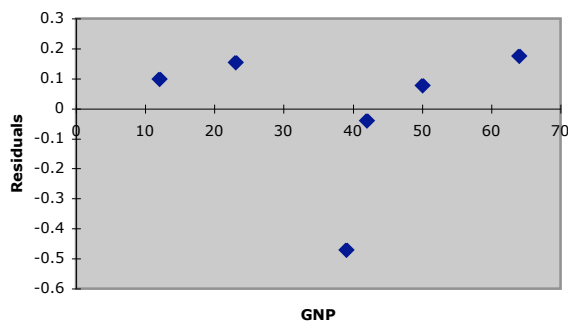
	A	B	C	D	E	F	G
1			Example of Multiple Regression				
2							
3	Y-data	X1-data	X2-data	X3-data			
4	Inflation	Unemployment	GNP	US deficit		Labels	
5	1	3	12	1234			
6	2	4	23	1432			
7	3	4	39	364			
8	4	2	42	25643			
9	6	5	64	3634			
10	5	2	50	2436			
11							
12	Tools: Data Analysis: Regression: Y-range(a4:a10): X-range(b4:d10): Labels On: Output Range A14						
13							
14	SUMMARY OUTPUT			Command			
15							
16	Regression Statistics						
17	Multiple R	0.991571841		Multiple VariableCorrelation Coefficient			
18	R Square	0.983214716		Squared so it is between 0 and 1			
19	Adjusted R Squ	0.958036791		R-square adjusted for the number of variables			
20	Standard Error	0.383237828		Standard Error of Y estimate			
21	Observations	6					
22				Sum of Squares			
23	ANOVA			Mean of the Sum of Squares (RMS)			
24		df	SS	MS	F	Significance F	
25	Regression	3	17.20625753	5.735419178	39.0506641	0.025071974	
26	Residual	2	0.293742466	0.146871233		P-value for all slopes zero	
27	Total	5	17.5				
28							
29		Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%
30	Intercept	0.202570723	0.65575691	0.308911305	0.786598426	-2.6189255	3.024066946
31	Unemployment	-0.17145102	0.175198609	-0.97860951	0.430971405	-0.92527032	0.582368271
32	GNP	0.101393939	0.009905824	10.2357908	0.009410078	0.05877259	0.144015288
33	US deficit	-3.08E-06	2.16233E-05	-0.14244049	0.899786399	-9.6118E-05	8.99577E-05
34							
35		y=a0 + a1*x1 + a2*x2 + a3*x3				95% Confidence Interval	
36	Label		SE for Coefficients			for Coefficients	
37				t-statistics for Null that Coefficient is zero			
38				P-value for Null that Coeff is zero			
39							
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	A	B	C	D	E	F	G
49							
50	RESIDUAL OUTPUT						
51							
52	<i>Observation</i>	<i>Predicted Inflatio</i>	<i>Residuals</i>				
53	1	0.901144147	0.098855853				
54	2	1.8444166	0.1555834				
55	3	3.470009099	-0.4700091				
56	4	4.0392327	-0.0392327				
57	5	5.823334819	0.176665181				
58	6	4.921862636	0.078137364				
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Unemployment Residual Plot



GNP Residual Plot



US deficit Residual Plot

