



(R)

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Notes:

1 . *(2 variables, 46 observations pasted into data editor)

2 . reg savingy gdp

Source	SS	df	MS	Number of obs =	46
Model	1.1063e+09	1	1.1063e+09	F(1, 44) =	2309.87
Residual	21074000.2	44	478954.55	Prob > F =	0.0000
				R-squared =	0.9813
				Adj R-squared =	0.9809
Total	1.1274e+09	45	25053295.7	Root MSE =	692.07

savingy	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
gdp	.3857008	.0080252	48.06	0.000	.369527 .4018745
_cons	-1698.108	171.1229	-9.92	0.000	-2042.983 -1353.232

3 . generate lnX=ln(gdp)

4 . generate lnY=ln(savingy)

5 . reg lnY lnX

Source	SS	df	MS	Number of obs =	46
Model	42.7994079	1	42.7994079	F(1, 44) =	4905.89
Residual	.383859663	44	.008724083	Prob > F =	0.0000
				R-squared =	0.9911
				Adj R-squared =	0.9909
Total	43.1832676	45	.959628169	Root MSE =	.0934

lnY	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
lnX	1.393106	.0198896	70.04	0.000	1.353022 1.433191
_cons	-5.206591	.1894609	-27.48	0.000	-5.588425 -4.824758

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6 . generate lnX1=ln(5*gdpX)
7 . generate lnY1=ln( 6*savingy )
8 . reg lnY1 lnX1

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Source	SS	df	MS	Number of obs = 46		
Model	42.7994118	1	42.7994118	F(1, 44) =	4905.89	
Residual	.383859787	44	.008724086	Prob > F =	0.0000	
Total	43.1832716	45	.959628258	R-squared =	0.9911	
				Adj R-squared =	0.9909	
				Root MSE =	.0934	

lnY1	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
lnX1	1.393106	.0198896	70.04	0.000	1.353022	1.433191
_cons	-5.65695	.2213995	-25.55	0.000	-6.103152	-5.210749

```

9 . reg savingy gdpX, noconstant

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Source	SS	df	MS	Number of obs = 46		
Model	2.1655e+09	1	2.1655e+09	F(1, 45) =	1428.05	
Residual	68237742.7	45	1516394.28	Prob > F =	0.0000	
Total	2.2337e+09	46	48559219.5	R-squared =	0.9695	
				Adj R-squared =	0.9688	
				Root MSE =	1231.4	

savingy	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gdpX	.3217711	.0085148	37.79	0.000	.3046214	.3389208

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10 . reg savingy gdpX

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Source	SS	df	MS	Number of obs = 46		
Model	1.1063e+09	1	1.1063e+09	F(1, 44) =	2309.87	
Residual	21074000.2	44	478954.55	Prob > F =	0.0000	
Total	1.1274e+09	45	25053295.7	R-squared =	0.9813	
				Adj R-squared =	0.9809	
				Root MSE =	692.07	

savingy	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
gdpX	.3857008	.0080252	48.06	0.000	.369527	.4018745
_cons	-1698.108	171.1229	-9.92	0.000	-2042.983	-1353.232

```

11 .

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