

Regressions

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lnmedals = ln(total number of medals won (team or individual))
lngold = ln(total number of gold medals won (team or individual)+1)
lnmedalsw = ln(total number of medals won by women (team or individual)+1)
lnpop = ln(Population, in 1000s)
lngdp = ln(GDP per capita, PPP adjusted)
roc = 1 if Russia, else 0
lnlfpw = labor force participation rate of women

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```
. regress lnmedals lnpop lngdp
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Source	SS	df	MS	Number of obs	=	
Model	23.8222255	2	11.9111127	F(2, 55)	=	23.30
Residual	28.1134091	55	.511152893	Prob > F	=	0.0000
				R-squared	=	0.4587
				Adj R-squared	=	0.4390
Total	51.9356346	57	.911151484	Root MSE	=	.71495

lnmedals	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
lnpop	.3647782	.0663725	5.50	0.000	.2317647	.4977916
lngdp	.6900081	.1213211	5.69	0.000	.4468753	.933141
_cons	-8.575898	1.626519	-5.27	0.000	-11.83552	-5.316281

```
. regress lngold lngdp lnpop host
```

Source	SS	df	MS	Number of obs	=	
Model	19.4618574	3	6.48728579	F(3, 54)	=	11.86
Residual	29.5361263	54	.546965302	Prob > F	=	0.0000
				R-squared	=	0.3972
				Adj R-squared	=	0.3637
Total	48.9979837	57	.859613749	Root MSE	=	.73957

lngold	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
lngdp	.5802385	.1264367	4.59	0.000	.3267482	.8337288
lnpop	.291183	.0696743	4.18	0.000	.1514944	.4308716
host	1.283411	.7587383	1.69	0.097	-.2377673	2.80459
_cons	-7.648269	1.703683	-4.49	0.000	-11.06395	-4.232589

```
. regress lnmedals lnpop lngdp roc
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Source	SS	df	MS	Number of obs	=	
Model	25.4994146	3	8.49980488	F(3, 54)	=	17.36
Residual	26.43622	54	.489559629	Prob > F	=	0.0000
				R-squared	=	0.4910
				Adj R-squared	=	0.4627
Total	51.9356346	57	.911151484	Root MSE	=	.69969

lnmedals	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
lnpop	.3434396	.0659706	5.21	0.000	.2111766	.4757026
lngdp	.6671131	.1193734	5.59	0.000	.4277837	.9064424
roc	1.328161	.717567	1.85	0.070	-.1104743	2.766796
_cons	-8.143222	1.608866	-5.06	0.000	-11.3688	-4.917639

```
. display exp(1.192408) -1
2.295006
```

```
. regress lnmedalsw lngdp lnpop lnlfpw
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Source	SS	df	MS	Number of obs	=	58
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Model	33.1507025	3	11.0502342	F(3, 54)	=	24.17
Residual	24.6838903	54	.457109079	Prob > F	=	0.0000
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Total	57.8345927	57	1.01464198	R-squared	=	0.5732
				Adj R-squared	=	0.5495
				Root MSE	=	.6761

lnmedalsw	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
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lngdp	.6478542	.1148401	5.64	0.000	.4176137	.8780947
lnpop	.4615219	.0645952	7.14	0.000	.3320164	.5910275
lnlfpw	1.346392	.3256063	4.14	0.000	.6935911	1.999194
_cons	-15.0993	2.071116	-7.29	0.000	-19.25164	-10.94696
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