

## Appendix A: Impact of the LPG subsidy removal on LPG consumption

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. reg LPGC GDP LPGP_CPI L1_LPGC
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Source	SS	df	MS	
Model	1.3907e+20	3	4.6357e+19	Number of obs = 13
Residual	9.9168e+17	9	1.1019e+17	F( 3, 9) = 420.71
				Prob > F = 0.0000
				R-squared = 0.9929
				Adj R-squared = 0.9906
Total	1.4006e+20	12	1.1672e+19	Root MSE = 3.3e+08

LPGC	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
GDP	.0001551	.0000595	2.61	0.028	.0000204 .0002898
LPGP_CPI	4.09e+09	2.29e+09	1.79	0.108	-1.09e+09 9.26e+09
L1_LPGC	.1604388	.3680857	0.44	0.673	-.672229 .9931065
_cons	-5.73e+08	5.86e+08	-0.98	0.354	-1.90e+09 7.53e+08

## Appendix B: Impact of the total LPG subsidy on LPG consumption expenditure

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. reg LPGS LPGC
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Source	SS	df	MS	
Model	2.3103e+24	1	2.3103e+24	Number of obs = 14
Residual	4.1544e+26	12	3.4620e+25	F( 1, 12) = 0.07
				Prob > F = 0.8005
				R-squared = 0.0055
				Adj R-squared = -0.0773
Total	4.1775e+26	13	3.2134e+25	Root MSE = 5.9e+12

LPGS	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
LPGC	-117.6382	455.3799	-0.26	0.801	-1109.826 874.5495
_cons	2.09e+13	6.00e+12	3.48	0.005	7.81e+12 3.40e+13

### Appendix C: Estimating government savings on LPG consumption (LPGSV) and LPG subsidies due to removal of the LPG subsidy (LPGSS)

. reg LPGC GDP LPGPP LPGPP\_CPI L1\_LPGC

Source	SS	df	MS				
Model	1.3916e+20	4	3.4791e+19	Number of obs =	13		
Residual	8.9826e+17	8	1.1228e+17	F( 4, 8) =	309.85		
Total	1.4006e+20	12	1.1672e+19	Prob > F =	0.0000		
				R-squared =	0.9936		
				Adj R-squared =	0.9904		
				Root MSE =	3.4e+08		

  

	LPG	LPGCC	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
GDP			.0001852	.0000706	2.62	0.031	.0000224 .0003479
LPGPP			-5.83e+07	4.94e+07	-1.18	0.272	-1.72e+08 5.56e+07
LPGPP_CPI			8.66e+09	5.42e+09	1.60	0.149	-3.84e+09 2.12e+10
L1_LPGC			.1566728	.3455851	0.45	0.662	-.640248 .9535936
_cons			-3.65e+08	5.25e+08	-0.70	0.507	-1.58e+09 8.46e+08

### Appendix D: Macroeconomic impact of change in the LPG subsidy on the economy

. reg rog\_gdp SAVINGS EMPLOYMENT constant\_consumption ROG\_LPGS L1\_rog\_gdp

Source	SS	df	MS				
Model	36.9975381	5	7.39950763	Number of obs =	13		
Residual	17.0853435	7	2.44076336	F( 5, 7) =	3.03		
Total	54.0828816	12	4.5069068	Prob > F =	0.0903		
				R-squared =	0.6841		
				Adj R-squared =	0.4584		
				Root MSE =	1.5623		

  

	rog_gdp	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
SAVINGS		1.538088	.5636535	2.73	0.029	.2052589 2.870916
EMPLOYMENT		1.903132	1.379521	1.38	0.210	-1.358916 5.16518
constant_consumption		2.72e-11	2.19e-11	1.24	0.255	-2.46e-11 7.90e-11
ROG_LPGS		.0128749	.0193456	0.67	0.527	-.0328701 .0586198
L1_rog_gdp		-.7422076	.3115449	-2.38	0.049	-1.478894 -.0055211
_cons		-158.7723	106.0911	-1.50	0.178	-409.6379 92.09331