

ภาคผนวก

ภาคผนวก
ผลการวิเคราะห์ข้อมูลโดยใช้โปรแกรม STATA

ผลการวิเคราะห์ค่าเฉลี่ยและค่าเบี่ยงเบนมาตรฐานโดยใช้โปรแกรม STATA
. summarize

Variable	Obs	Mean	Std. Dev.	Min	Max
year	0				
Q	30	7656635	4286731	2858879	2.56e+07
Price	30	2123.754	603.9599	513.45	3132.21
Ex	30	47.25267	3.202462	38.33	52.07
dummy	30	.5333333	.5074163	0	1
GDP	30	2072054	173763.1	1807169	2327204
lnQ	30	15.74279	.4497058	14.86594	17.0578
lnPrice	30	7.610623	.3539528	6.241153	8.049494
lnEx	30	3.85314	.0711892	3.646233	3.952589
lnGDP	30	14.54064	.0840881	14.40727	14.66018
DlnPrice	30	4.131	3.933053	0	8.049494
DlnEx	30	2.063558	1.963411	0	3.919991
DlnGDP	30	7.791643	7.413073	0	14.66018

ผลการวิเคราะห์สมการถดถอยโดยใช้โปรแกรม STATA
. reg lnQ lnPrice lnEx dummy lnGDP DlnPrice DlnEx DlnGDP

Source	SS	df	MS	Number of obs = 30		
Model	5.03823075	7	.719747249	F(7, 22) = 19.16		
Residual	.82659439	22	.037572472	Prob > F = 0.0000		
Total	5.86482514	29	.20223535	R-squared = 0.8591		
				Adj R-squared = 0.8142		
				Root MSE = .19384		

lnQ	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
lnPrice	-.9619207	.137158	-7.01	0.000	-1.246369	-.6774723
lnEx	3.201762	1.444953	2.22	0.037	.2051117	6.198412
dummy	-72.92763	64.04059	-1.14	0.267	-205.7397	59.88442
lnGDP	-1.057244	3.866419	-0.27	0.787	-9.075706	6.961218
DlnPrice	.2766195	.5154888	0.54	0.597	-.7924387	1.345678
DlnEx	-2.333573	2.172882	-1.07	0.294	-6.839854	2.172708
DlnGDP	5.50787	4.564249	1.21	0.240	-3.957804	14.97354
_cons	25.75191	51.23741	0.50	0.620	-80.50798	132.0118

```
. reg lnQ lnPrice lnEx dummy DlnEx DlnGDP
```

Source	SS	df	MS			
Model	5.02558147	5	1.00511629	Number of obs = 30		
Residual	.839243669	24	.034968486	F(5, 24) = 28.74		
Total	5.86482514	29	.20223535	Prob > F = 0.0000		
				R-squared = 0.8569		
				Adj R-squared = 0.8271		
				Root MSE = .187		

lnQ	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
lnPrice	-.9316745	.1187292	-7.85	0.000	-1.176719	-.6866295
lnEx	2.827779	.5369666	5.27	0.000	1.719534	3.936023
dummy	-42.23742	19.69539	-2.14	0.042	-82.88669	-1.588138
DlnEx	-1.808445	1.627232	-1.11	0.277	-5.166888	1.549998
DlnGDP	3.404354	1.2589	2.70	0.012	.8061112	6.002597
_cons	11.67053	2.134466	5.47	0.000	7.265206	16.07585

```
. reg lnQ lnPrice lnEx dummy DlnGDP
```

Source	SS	df	MS			
Model	4.98239096	4	1.24559774	Number of obs = 30		
Residual	.882434172	25	.035297367	F(4, 25) = 35.29		
Total	5.86482514	29	.20223535	Prob > F = 0.0000		
				R-squared = 0.8495		
				Adj R-squared = 0.8255		
				Root MSE = .18788		

lnQ	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
lnPrice	-.9319614	.1192859	-7.81	0.000	-1.177635	-.6862875
lnEx	2.6343	.510345	5.16	0.000	1.583225	3.685375
dummy	-50.0763	18.47534	-2.71	0.012	-88.12697	-12.02563
DlnGDP	3.462429	1.263717	2.74	0.011	.8597559	6.065102
_cons	12.41462	2.036247	6.10	0.000	8.220894	16.60835