

Statistical Output for the Analyses in Table 11.2

McGuireC3OutputT11-2.pdf

Web Appendix C3 to:

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```
. do "/Applications/Stata 10/ado/McGuire09T8.do"
```

```
. generate limrwba = ln(imrwba)
```

```
. generate lgdpwbai = ln(gdpwbai)
```

```
. generate ldens = ln(dens)
```

```
.
end of do-file
```

```
. regress limrwba lgdpwbai
```

Source	SS	df	MS	Number of obs =	102
Model	63.8718524	1	63.8718524	F(1, 100) =	197.87
Residual	32.2798827	100	.322798827	Prob > F =	0.0000
				R-squared =	0.6643
				Adj R-squared =	0.6609
Total	96.1517351	101	.951997377	Root MSE =	.56815

limrwba	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
lgdpwbai	-.6659005	.0473392	-14.07	0.000	-.7598201 - .571981
_cons	9.001367	.386825	23.27	0.000	8.233917 9.768817

```
. predict onehatln
(option xb assumed; fitted values)
```

```
. generate onehat = exp(onehatln)
```

```
. generate ratio1 = imrwba/onehat
```

```
. sort ratio1
```

```
. list ctry ratio1 imrwba onehat
```

	ctry	ratio1	imrwba	onehat
1.	Cuba	.2319676	5	21.55474
2.	Hong Kong, China	.2650507	2	7.545726
3.	Singapore	.2929544	2	6.827002
4.	Vietnam	.3258406	16	49.10376
5.	Sri Lanka	.333616	12	35.96949
6.	Thailand	.3604192	8	22.19638
7.	Syrian Arab Republic	.4012893	13	32.39558
8.	Korea, Rep.	.4694931	5	10.64978
9.	Korea, Dem. Rep.	.4739385	42	88.61909
10.	Fiji	.5166439	16	30.9691
11.	Chile	.5201046	8	15.38152
12.	Costa Rica	.5700002	11	19.29824
13.	Nepal	.5845853	49	83.8201
14.	Paraguay	.5989442	20	33.39209
15.	Burundi	.6243928	109	174.5696
16.	Malaysia	.6298232	10	15.87747
17.	Philippines	.6307247	25	39.63694
18.	Taiwan	.6365554	6	9.425731
19.	Uruguay	.6478772	12	18.52203
20.	Honduras	.6518124	24	36.82041

21.	Congo, Dem. Rep.	.6563883	129	196.53
22.	China	.6574793	21	31.94017
23.	Colombia	.6770097	17	25.11042
24.	Ethiopia	.683144	80	117.1056
25.	Bangladesh	.6916348	54	78.07589

26.	Nicaragua	.7019805	30	42.73623
27.	Togo	.7135388	71	99.50404
28.	Jordan	.716998	22	30.68349
29.	Malawi	.7254578	79	108.8967
30.	Mauritius	.7371865	13	17.63461

31.	Indonesia	.7461175	28	37.5276
32.	Madagascar	.8038843	74	92.05305
33.	Myanmar	.8173476	75	91.76022
34.	Mongolia	.8357765	36	43.07372
35.	Argentina	.8378077	14	16.71028

36.	Tunisia	.8423812	20	23.74222
37.	Haiti	.8613383	63	73.142
38.	Uganda	.8677672	79	91.03824
39.	El Salvador	.8708991	23	26.40949
40.	Guinea-Bissau	.8818868	121	137.2058

41.	Liberia	.8861647	157	177.168
42.	Tanzania	.889642	76	85.42762
43.	Oman	.9116564	10	10.96904
44.	Mozambique	.9454667	100	105.7679
45.	Dominican Republic	.9571841	26	27.16301

46.	Ecuador	.9606302	22	22.90163
47.	Rwanda	.9630544	100	103.8363
48.	Panama	.9638925	19	19.71174
49.	Peru	.9758005	23	23.57039
50.	Papua New Guinea	.9802108	55	56.11038

51.	Senegal	.9973444	61	61.16243
52.	Venezuela, RB	1.014031	18	17.75094
53.	Ghana	1.014942	75	73.89585
54.	United Arab Emirates	1.016102	8	7.873223
55.	Brazil	1.017424	20	19.65749

56.	Morocco	1.026793	36	35.06062
57.	Egypt, Arab Rep.	1.045949	31	29.63814
58.	Cambodia	1.047095	67	63.98658
59.	Central African Republic	1.062548	115	108.2305
60.	Libya	1.081686	18	16.64068

61.	Sudan	1.086852	62	57.04549
62.	Gambia, The	1.10835	86	77.59285
63.	Lao PDR	1.129993	62	54.86759
64.	Guatemala	1.13341	32	28.23338
65.	Bahrain	1.142365	9	7.878394

66.	Jamaica	1.185459	26	21.93243
67.	Kenya	1.197238	79	65.98521
68.	India	1.230854	59	47.93421
69.	Benin	1.240767	89	71.7298
70.	Turkey	1.250136	26	20.79773

71.	Guyana	1.27028	47	36.99971
72.	Guinea	1.310184	100	76.32514
73.	Niger	1.311541	150	114.3693
74.	Mauritania	1.352924	78	57.6529
75.	Sierra Leone	1.370981	160	116.7047

76.	Algeria	1.383824	34	24.56961
77.	Zambia	1.389023	102	73.43289
78.	Zimbabwe	1.423283	68	47.77685
79.	Mali	1.475004	120	81.3557
80.	Lebanon	1.486806	27	18.15973
81.	Lesotho	1.497509	102	68.11313
82.	Kuwait	1.513099	10	6.608954
83.	Bolivia	1.527554	52	34.04135
84.	Côte d'Ivoire	1.534411	91	59.30613
85.	Burkina Faso	1.543003	121	78.41852
86.	Namibia	1.557697	46	29.53077
87.	Yemen, Rep.	1.569309	76	48.42894
88.	Nigeria	1.62012	100	61.72383
89.	Pakistan	1.62927	79	48.48798
90.	Iran, Islamic Rep.	1.679451	31	18.45841
91.	Cameroon	1.68818	87	51.53479
92.	Mexico	1.857985	30	16.14652
93.	Bhutan	1.886786	65	34.45012
94.	Chad	1.965588	124	63.08546
95.	Saudi Arabia	1.968598	21	10.66749
96.	Congo, Rep.	2.121249	79	37.24221
97.	Trinidad and Tobago	2.421775	32	13.21345
98.	South Africa	2.798796	55	19.65131
99.	Swaziland	3.650123	110	30.13597
100.	Gabon	4.227604	60	14.19243
101.	Angola	4.535255	154	33.9562
102.	Botswana	5.582706	87	15.58384

```
. regress limrwba lgdpwbai ginipci
```

Source	SS	df	MS	Number of obs =	102
Model	67.0341662	2	33.5170831	F(2, 99) =	113.96
Residual	29.1175689	99	.294116857	Prob > F =	0.0000
Total	96.1517351	101	.951997377	R-squared =	0.6972
				Adj R-squared =	0.6911
				Root MSE =	.54233

limrwba	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
lgdpwbai	-.617199	.0475655	-12.98	0.000	-.7115791 - .5228188
ginipci	.0187941	.0057316	3.28	0.001	.0074213 .0301669
_cons	7.647686	.5538671	13.81	0.000	6.548693 8.746678

```
. predict twohatln
(option xb assumed; fitted values)
```

```
. generate twohat = exp(twohatln)
```

```
. generate ratio2 = imrwba/twohat
```

```
. sort ratio2
```

```
. list ctry ratio2 imrwba twohat
```

	ctry	ratio2	imrwba	twohat
1.	Hong Kong, China	.2344086	2	8.53211
2.	Cuba	.2708605	5	18.45968
3.	Singapore	.3321015	2	6.022255
4.	Sri Lanka	.3599356	12	33.33929
5.	Vietnam	.3692298	16	43.33344
6.	Thailand	.4061942	8	19.69501
7.	Syrian Arab Republic	.4520113	13	28.76034
8.	Chile	.4562862	8	17.53286
9.	Fiji	.5299982	16	30.18878
10.	Paraguay	.5498656	20	36.37252
11.	Korea, Rep.	.5560588	5	8.991855
12.	Korea, Dem. Rep.	.5671054	42	74.0603
13.	Costa Rica	.5766515	11	19.07565
14.	Nepal	.5805618	49	84.401
15.	Colombia	.5973782	17	28.45769
16.	Malaysia	.6049723	10	16.52968
17.	Honduras	.6106756	24	39.30074
18.	Malawi	.6585446	79	119.9615
19.	Nicaragua	.6661341	30	45.03598
20.	Philippines	.6725728	25	37.1707
21.	Burundi	.6755176	109	161.3577
22.	Uruguay	.6900768	12	17.38937
23.	Madagascar	.7074033	74	104.6079
24.	China	.7301477	21	28.76131
25.	Haiti	.7767829	63	81.10374
26.	Congo, Dem. Rep.	.7883705	129	163.6286
27.	Taiwan	.7950325	6	7.546861
28.	Argentina	.8017149	14	17.46257
29.	Togo	.8184677	71	86.74747
30.	Mongolia	.8193179	36	43.93899
31.	Guinea	.8215787	100	121.7169
32.	Tunisia	.841175	20	23.77627
33.	Ecuador	.8451207	22	26.03179
34.	Panama	.8578699	19	22.14788
35.	Uganda	.867017	79	91.11701
36.	Papua New Guinea	.8686447	55	63.31702
37.	Brazil	.8752162	20	22.8515
38.	Central African Republic	.8859247	115	129.8079
39.	El Salvador	.8930781	23	25.75363
40.	Guinea-Bissau	.89441	121	135.2847
41.	Jordan	.8970689	22	24.52431
42.	Namibia	.9044281	46	50.86087
43.	Mauritius	.9076196	13	14.32318
44.	Liberia	.9157082	157	171.452
45.	Rwanda	.9374433	100	106.6731
46.	Dominican Republic	.9437433	26	27.54986
47.	Oman	.948693	10	10.54082
48.	Zimbabwe	.9581574	68	70.96955
49.	Jamaica	.9661468	26	26.91102
50.	Indonesia	.9726073	28	28.7886
51.	Peru	.975718	23	23.57239
52.	Myanmar	.9805169	75	76.49026

53.	Libya	.9891344	18	18.19773
54.	Gambia, The	.9907534	86	86.80263
55.	Bangladesh	.9932297	54	54.36809

56.	Egypt, Arab Rep.	.9976965	31	31.07157
57.	Tanzania	1.005361	76	75.59476
58.	Burkina Faso	1.008517	121	119.9781
59.	Mozambique	1.03157	100	96.9396
60.	United Arab Emirates	1.032046	8	7.751591

61.	Mali	1.032394	120	116.2346
62.	Cambodia	1.046737	67	64.00845
63.	Ghana	1.050696	75	71.38126
64.	Ethiopia	1.057184	80	75.6727
65.	Venezuela, RB	1.068662	18	16.84349

66.	Morocco	1.079039	36	33.36302
67.	Zambia	1.09034	102	93.54884
68.	Mauritania	1.133325	78	68.82401
69.	Senegal	1.139848	61	53.51591
70.	Guatemala	1.146219	32	27.91786

71.	Kenya	1.146621	79	68.89812
72.	Bahrain	1.160346	9	7.75631
73.	Guyana	1.161799	47	40.4545
74.	Niger	1.166008	150	128.6441
75.	Bolivia	1.280807	52	40.5994

76.	Lesotho	1.286649	102	79.27573
77.	Lao PDR	1.298199	62	47.75848
78.	Turkey	1.342898	26	19.36112
79.	Chad	1.350412	124	91.82381
80.	Côte d'Ivoire	1.378177	91	66.02925

81.	Benin	1.389564	89	64.04888
82.	India	1.492562	59	39.52935
83.	Kuwait	1.517292	10	6.59069
84.	Sierra Leone	1.518009	160	105.4012
85.	Algeria	1.52753	34	22.25816

86.	Iran, Islamic Rep.	1.544536	31	20.07076
87.	Sudan	1.595748	62	38.85325
88.	Nigeria	1.645953	100	60.75507
89.	Cameroon	1.673637	87	51.9826
90.	Mexico	1.786869	30	16.78914

91.	Lebanon	1.790202	27	15.0821
92.	Saudi Arabia	2.044401	21	10.27196
93.	Congo, Rep.	2.053606	79	38.46892
94.	Pakistan	2.172174	79	36.36909
95.	South Africa	2.254275	55	24.39809

96.	Yemen, Rep.	2.350591	76	32.33229
97.	Bhutan	2.552162	65	25.4686
98.	Trinidad and Tobago	2.754165	32	11.61877
99.	Swaziland	3.085106	110	35.65517
100.	Gabon	3.81397	60	15.73164

101.	Angola	4.153093	154	37.0808
102.	Botswana	4.986001	87	17.44885

. regress limrwba lgdpwbai ginipci ethf musl fert ldens urb

Source	SS	df	MS	Number of obs =	102
Model	77.5529077	7	11.0789868	F(7, 94) =	55.99
Residual	18.5988274	94	.197859866	Prob > F =	0.0000
				R-squared =	0.8066
				Adj R-squared =	0.7922
Total	96.1517351	101	.951997377	Root MSE =	.44481

limrwba	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
lgdpwbai	-.3100399	.0744918	-4.16	0.000	-.4579451 -.1621347
ginipci	.0037658	.0054582	0.69	0.492	-.0070716 .0146032
ethf	.1087774	.2168431	0.50	0.617	-.3217696 .5393244
musl	.0170302	.1334932	0.13	0.899	-.2480236 .2820841
fert	.1942541	.0484061	4.01	0.000	.0981427 .2903654
ldens	-.1286229	.0336585	-3.82	0.000	-.1954527 -.0617931
urb	-.0076025	.0027485	-2.77	0.007	-.0130598 -.0021453
_cons	6.064674	.7231	8.39	0.000	4.628942 7.500406

```
. predict sevhatln
(option xb assumed; fitted values)

. generate sevhat = exp(sevhatln)

. generate ratio7 = imrwba/sevhat

. sort ratio7

. list ctry ratio7 imrwba sevhat
```

	ctry	ratio7	imrwba	sevhat
1.	Cuba	.3559004	5	14.04888
2.	Thailand	.3795936	8	21.07517
3.	Syrian Arab Republic	.4447033	13	29.23297
4.	Sri Lanka	.4501278	12	26.6591
5.	Oman	.4666111	10	21.43113
6.	Paraguay	.5141847	20	38.89653
7.	Hong Kong, China	.5362613	2	3.729525
8.	Chile	.5383783	8	14.85944
9.	Fiji	.5444561	16	29.38712
10.	Singapore	.544848	2	3.670748
11.	Malaysia	.5686612	10	17.58517
12.	Uganda	.5748361	79	137.4305
13.	Vietnam	.5819541	16	27.49358
14.	Niger	.64897	150	231.1355
15.	Costa Rica	.6643776	11	16.55685
16.	Honduras	.676288	24	35.48784
17.	Congo, Dem. Rep.	.6779836	129	190.2701
18.	Libya	.6849432	18	26.27955
19.	United Arab Emirates	.6862344	8	11.65783
20.	Mauritania	.695739	78	112.111
21.	Malawi	.7035758	79	112.2836
22.	Burundi	.7177464	109	151.8642
23.	Madagascar	.7233206	74	102.3059
24.	Namibia	.724899	46	63.45712
25.	Korea, Rep.	.7344895	5	6.807449
26.	Guinea-Bissau	.7396736	121	163.5857

27.	Papua New Guinea	.7409961	55	74.22442
28.	Ethiopia	.7646313	80	104.6256
29.	Colombia	.7744881	17	21.94998
30.	Uruguay	.7745154	12	15.49356

31.	Mali	.7829872	120	153.2592
32.	Mongolia	.789677	36	45.58826
33.	Tanzania	.8064287	76	94.24268
34.	Nepal	.8135712	49	60.22829
35.	Argentina	.8319494	14	16.82795

36.	Nicaragua	.8610873	30	34.83967
37.	Chad	.8862168	124	139.9206
38.	Jordan	.9153103	22	24.03557
39.	Peru	.9219052	23	24.94834
40.	Mauritius	.9273584	13	14.01831

41.	Ecuador	.9297376	22	23.66259
42.	Guatemala	.9327781	32	34.30612
43.	Togo	.9345638	71	75.97127
44.	Panama	.9367764	19	20.28232
45.	Mozambique	.9453414	100	105.7819

46.	Senegal	.9506018	61	64.16988
47.	Kenya	.9563951	79	82.60184
48.	Guinea	.9630755	100	103.834
49.	China	.9662637	21	21.7332
50.	Central African Republic	.9726338	115	118.2357

51.	Guyana	.9766889	47	48.12177
52.	Zambia	.9866616	102	103.3789
53.	Philippines	1.004573	25	24.88618
54.	Burkina Faso	1.014049	121	119.3236
55.	Lao PDR	1.03232	62	60.05891

56.	Yemen, Rep.	1.03418	76	73.4882
57.	Sudan	1.035063	62	59.89972
58.	Liberia	1.040026	157	150.9577
59.	Egypt, Arab Rep.	1.042718	31	29.72998
60.	Taiwan	1.053053	6	5.69772

61.	Brazil	1.05584	20	18.94227
62.	Saudi Arabia	1.060264	21	19.80638
63.	Venezuela, RB	1.078496	18	16.68992
64.	Tunisia	1.087676	20	18.38782
65.	Indonesia	1.091291	28	25.65768

66.	Rwanda	1.106955	100	90.33791
67.	Cambodia	1.135295	67	59.01551
68.	Benin	1.144422	89	77.76849
69.	Bolivia	1.188774	52	43.74256
70.	El Salvador	1.210451	23	19.00118

71.	Congo, Rep.	1.226592	79	64.4061
72.	Kuwait	1.234957	10	8.097449
73.	Dominican Republic	1.23805	26	21.00076
74.	Algeria	1.342092	34	25.33358
75.	Bahrain	1.353858	9	6.64767

76.	Zimbabwe	1.365908	68	49.78373
77.	Sierra Leone	1.367809	160	116.9754
78.	Jamaica	1.379369	26	18.8492
79.	Morocco	1.383695	36	26.0173
80.	Ghana	1.387939	75	54.03694

81.	Haiti	1.393105	63	45.22274
82.	Korea, Dem. Rep.	1.426425	42	29.44424
83.	Cameroon	1.441725	87	60.34437
84.	Côte d'Ivoire	1.456136	91	62.49416
85.	Bhutan	1.477224	65	44.00144

86.	Turkey	1.519254	26	17.11366
87.	Nigeria	1.538821	100	64.98483
88.	Gambia, The	1.559123	86	55.15922
89.	Bangladesh	1.580682	54	34.16247
90.	Myanmar	1.614126	75	46.46478

91.	Iran, Islamic Rep.	1.639859	31	18.90407
92.	Lesotho	1.703084	102	59.89135
93.	Pakistan	1.835863	79	43.03153
94.	India	1.883723	59	31.32096
95.	Trinidad and Tobago	1.939687	32	16.49751

96.	Mexico	1.951594	30	15.37205
97.	Angola	1.970937	154	78.13544
98.	South Africa	2.261308	55	24.32221
99.	Gabon	2.308784	60	25.98771
100.	Lebanon	2.442979	27	11.05208

101.	Swaziland	2.65322	110	41.45906
102.	Botswana	2.903498	87	29.96385
