

Appendix to:  
 Alan Green  
 “Democracy and Institutions in Postcolonial Africa”  
*Journal of Institutional Economics*, 2017

**Table 1-A: Robustness Checks on GDP per capita Growth**

<i>Dependent Variable: GDP per capita Growth</i>	Estimate (1)	Estimate (2)	Estimate (3)	Estimate (4)	Estimate (5)	Estimate (6)
<b>Independent Variables \ Estimator</b>	2SLS, Random Effects	2SLS, Fixed Effects	2SLS, Fixed Effects	2SLS, Random Effects	2SLS, Fixed Effects	2SLS, Fixed Effects
<b>Executive Constraints (lag)</b>	***3.3935 (0.8989)	***4.1360 (1.0724)	***3.1140 (0.7057)			
<b>Freedom House Civil Liberties (lag)</b>				***-4.5296 (1.3035)	***-5.8450 (1.5362)	***-4.3295 (1.1457)
<b>Civil Violence (spat. and temp. lag)</b>	*107.5139 (59.0163)	96.5160 (60.1284)		***198.9654 (77.7102)	***223.6173 (79.3657)	
<b>Death Rate (spat. and temp. lag)</b>	*11.3003 (6.7465)	**23.7524 (10.4084)				
<b>GDP per capita (spat. and temp. lag)</b>		** -0.7351 (0.3734)			*-1.5210 (0.8686)	
<b>Cold War</b>	***4.0588 (1.3307)	**3.9378 (1.5739)	**1.8059 (0.9048)	**3.8401 (1.5500)	**3.7000 (1.8794)	*1.7688 (1.0359)
<b>Capital Formation (% of GDP, lag)</b>			***0.2364 (0.0287)			***0.2499 (0.0312)
<b>Log GDP per capita (lag)</b>			***-2.3534 (0.7845)			***-3.5327 (0.8585)
<b>Death Rate (temp. lag)</b>			***0.2726 (0.0889)			
<b>Aid per capita (temp. lag)</b>						** -0.0277 (0.0132)
<b>Observations</b>	633	633	587	565	565	526
<b>R-squared</b>	0.0016	0.0015	0.0892	0.0013	0.0019	0.1010
<b>First Stage Results on Executive Constraints \ Civil Liberties</b>						
<b>Unified Democracy Score(spat. and temp. lag)</b>	***93.7579 (16.3803)	***85.3230 (15.4958)	***88.7317 (12.3958)	***-62.4767 (11.0307)	***-58.8213 (9.9934)	***-65.1808 (10.2962)
<b>Civil Violence (spat. and temp. lag)</b>	***-28.6977 (10.1704)	** -22.6837 (9.5474)		***34.4456 (7.4242)	***27.3900 (6.9240)	
<b>Death Rate (spat. and temp. lag)</b>	-1.1443 (1.1821)	-2.2989 (1.5027)				
<b>GDP per capita (spat. and temp. lag lag)</b>		0.1000 (0.0643)			-0.0098 (0.0959)	
<b>Cold War</b>	***-0.7151 (0.1639)	***-0.5805 (0.1933)	** -0.3166 (0.1503)	***0.5089 (0.1373)	***0.5312 (0.1465)	0.1920 (0.1201)
<b>Log GDP per capita (lag)</b>			*-0.2995 (0.1529)			-0.0650 (0.1171)
<b>Capital Formation (% of GDP, lag)</b>			0.0060 (0.0056)			-0.0044 (0.0042)
<b>Death Rate (lag)</b>			***-0.0682 (0.0153)			
<b>Aid per capita (lag)</b>						***-0.0057 (0.0017)
<b>First Stage R-squared</b>		0.2122	0.1793		0.1899	0.1800

\*, \*\*, and \*\*\* indicate significance at 10%, 5% and 1% respectively. Standard Errors in Parentheses.

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**TABLE 2-A: Robustness Checks on Civil Violence**

<i>Dependent Variable: Civil Violence, 3 year sum</i>	Estimate (1)	Estimate (2)	Estimate (3)	Estimate (4)	Estimate (5)	Estimate (6)
<i>Independent Variables \ Estimator</i>	Random Effects	Fixed Effects	Fixed Effects	2SLS, Random Effects	2SLS, Fixed Effects	2SLS, Fixed Effects
<b>Political Competition</b>	<b>***-0.0975 (0.0380)</b>	<b>***-0.0683 (0.0257)</b>	<b>***-0.0969 (0.0356)</b>			
<b>Civil Liberties</b>				<b>***1.6256 (0.5264)</b>	<b>***1.7043 (0.6196)</b>	<b>***2.2180 (0.6404)</b>
<b>Cold War</b>	<b>***-2.2606 (0.6709)</b>	<b>***-1.5285 (0.5758)</b>	<b>***-1.6755 (0.6375)</b>	<b>***-1.7102 (0.5104)</b>	<b>***-1.7557 (0.7027)</b>	<b>***-1.9623 (0.7118)</b>
<b>Civil Violence (spat. and temp. lag)</b>		<b>**47.0732 (23.2779)</b>	<b>*44.9344 (24.6633)</b>		13.3904 (30.9563)	
<b>Death Rate (spat. and temp. lag)</b>	-2.9810 (3.7737)		<b>***-13.4919 (4.7255)</b>			<b>*-9.8611 (5.4685)</b>
<b>GDP per capita (spat. and temp. lag)</b>			<b>***0.5883 (0.2123)</b>			0.5601 (0.3833)
<b>Death Rate (temporal lag)</b>			<b>*0.0997 (0.0547)</b>			<b>*0.1135 (0.0594)</b>
<b>Trade (% of GDP,temporal lag)</b>			<b>**0.0125 (0.0060)</b>			
<b>Log GDP per capita (temporal lag)</b>			<b>***-1.5248 (0.3738)</b>			<b>***-1.1912 (0.4122)</b>
<b>Observations</b>	644		623	565	565	565
<b>R-squared</b>	0.0086	0.0125	0.0444	0.0660	0.0668	0.0785
<b><i>First Stage Results on Political Competition \ Civil Liberties</i></b>						
<b>Unified Democracy Score (spat. and temp. lag)</b>	<b>***1018.266 (162.4659)</b>	<b>***1167.6690 (132.0872)</b>	<b>***1159.3780 (172.9503)</b>	<b>***-66.3983 (10.2099)</b>	<b>***-58.8859 (9.9639)</b>	<b>***-67.5298 (12.9216)</b>
<b>Death Rate (spat. and temp. lag)</b>	<b>*-22.1085 (13.4104)</b>		-6.0052 (19.2712)			-2.6466 (1.6966)
<b>Cold War</b>	<b>***-10.4343 (1.4250)</b>	<b>***-10.8085 (1.5900)</b>	<b>***-5.9682 (2.0491)</b>	<b>***0.3040 (0.1124)</b>	<b>***0.5402 (0.1170)</b>	<b>***0.4565 (0.1507)</b>
<b>Civil Violence (spat. and temp. lag)</b>		-114.7069 (99.1423)	-107.8276 (103.2377)		<b>***27.1910 (6.6389)</b>	<b>***29.6755 (7.6380)</b>
<b>GDP per capita (spat. and temp. lag)</b>			0.0998 (0.8894)			0.0802 (0.1010)
<b>Death Rate (temporal lag)</b>			<b>***-0.9754 (0.2120)</b>			<b>***0.0460 (0.0154)</b>
<b>Trade (% of GDP,temporal lag)</b>			0.0188 (0.0247)			
<b>Log GDP per capita (temporal lag)</b>			<b>**3.1492 (1.5003)</b>			-0.0402 (0.1068)
<b>First Stage R-squared</b>		0.2901	0.2907		0.1894	0.2147

\*, \*\*, and \*\*\* indicate significance at 10%, 5% and 1% respectively. Standard Errors in Parentheses.

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**Table 3-A: Estimates on Growth First Observations from Each Period**

<i>Dependent Variable: GDP per capita Growth</i>	Estimate (4)	Estimate (5)	Estimate (6)
<b>Independent Variables \ Estimator</b>	2SLS, Random Effects	2SLS, Fixed Effects	2SLS, Fixed Effects
<b>Executive Constraints (lag)</b>	<b>***2.3400 (0.7154)</b>	<b>***4.5164 (1.4313)</b>	<b>***3.0879 (0.8808)</b>
<b>GDP per capita (spatial and temporal lag)</b>		-0.6272 (0.4257)	
<b>Civil Violence (spatial and temporal lag)</b>	80.532 (59.7498)	79.5298 (69.8132)	
<b>Death Rate (spatial and temporal lag)</b>		<b>**26.8196 (12.8839)</b>	
<b>Cold War</b>	<b>**3.0223 (1.2383)</b>	<b>**4.6452 (2.0105)</b>	<b>*2.0200 (1.0771)</b>
<b>Capital Formation (% of GDP, lag)</b>			<b>***0.2521 (0.0329)</b>
<b>Log GDP per capita (lag)</b>			<b>*-1.4963 (0.8952)</b>
<b>Deathrate (lag)</b>			<b>***0.2962 (0.1032)</b>
<b>Observations</b>	625	625	579
<b>R-squared</b>	0.0008	0.0002	0.0878
<b>First Stage Results on Executive Constraints</b>			
<b>Polity (spatial and temporal lag)</b>	<b>***9.1763 (1.2990)</b>	<b>***6.7570 (1.4621)</b>	<b>***7.5558 (1.1943)</b>
<b>Civil Violence (spatial and temporal lag)</b>	<b>***-33.8900 (9.8453)</b>	<b>** -19.1776 (9.6762)</b>	
<b>GDP per capita (spatial and temporal lag)</b>		-0.0043 (0.0645)	
<b>Death Rate (spatial and temporal lag)</b>		-2.5131 (1.5808)	
<b>Cold War</b>	<b>***-0.7002 (0.1682)</b>	<b>***-0.8140 (0.1768)</b>	<b>***-0.4154 (0.1500)</b>
<b>Log GDP per capita (lag)</b>			<b>** -0.2909 (0.1591)</b>
<b>Capital Formation (% of GDP, lag)</b>			0.0074 (0.0058)
<b>Deathrate (lag)</b>			<b>***-0.0541 (0.0157)</b>
<b>First Stage R-squared</b>		0.2092	0.1480

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**Table 4-A: Robustness Checks on Growth First Observations**

<i>Dependent Variable: GDP per capita Growth</i>	Estimate (1)	Estimate (2)	Estimate (3)	Estimate (4)	Estimate (5)	Estimate (6)
<b>Independent Variables \ Estimator</b>	2SLS	2SLS, Fixed Effects	2SLS, Fixed Effects	2SLS	2SLS, Fixed Effects	2SLS, Fixed Effects
<b>Executive Constraints (lag)</b>	<b>***3.1831 (0.9783)</b>	<b>***3.9056 (1.1514)</b>	<b>***2.9361 (0.7836)</b>			
<b>Freedom House Civil Liberties (lag)</b>				<b>***-4.5578 (1.3991)</b>	<b>***-5.8338 (1.6066)</b>	<b>***-4.4077 (1.2925)</b>
<b>Civil Violence (spatial and temporal lag)</b>	81.0511 (63.0260)	67.6218 (64.3798)		<b>**167.5475 (82.1531)</b>	<b>**189.2916 (83.1759)</b>	
<b>Deathrate (spatial and temporal lag)</b>	11.1844 (7.4235)	<b>**22.6887 (11.1772)</b>				
<b>GDP per capita (spatial and temporal lag)</b>		-0.6096 (0.4009)			<b>*-1.7530 (0.9308)</b>	
<b>Cold War</b>	<b>***3.8242(1.4386)</b>	<b>***3.9066 (1.6940)</b>	<b>*1.8798 (1.0037)</b>	<b>**4.0396 (1.6562)</b>	<b>*3.6609 (1.9951)</b>	<b>*2.2716 (1.1763)</b>
<b>Capital Formation (% of GDP, lag)</b>			<b>***0.2533 (0.0323)</b>			<b>***0.2578 (0.0361)</b>
<b>Log GDP per capita (lag)</b>			<b>*-1.5235 (0.8797)</b>			<b>***-2.9262 (1.0002)</b>
<b>Deathrate (lag)</b>			<b>***0.2867 (0.0989)</b>			
<b>Aid per capita (lag)</b>						<b>*-0.0252 (0.0152)</b>
<b>Observations</b>	625	625	579	560	560	521
<b>R-squared</b>	0.0003	0.0003	0.0944	0.0005	0.0012	0.0877
<b>First Stage Results on Executive Constraints \ Civil Liberties</b>						
<b>Unified Democracy Score(spatial and temporal lag)</b>	<b>***92.4790 (16.3831)</b>	<b>***85.4841 (15.6743)</b>	<b>***88.7210 (12.5497)</b>	<b>***-62.8513 (10.9245)</b>	<b>***-60.0086 (10.0169)</b>	<b>***-65.6474 (10.2881)</b>
<b>Civil Violence (spatial and temporal lag)</b>	<b>***-28.0141 (10.1475)</b>	<b>**22.4311 (9.6237)</b>		<b>***33.3349 (7.3295)</b>	<b>***26.3725 (6.9337)</b>	
<b>Deathrate (spatial and temporal lag)</b>	-1.2463 (1.2013)	-2.3071 (1.5158)				
<b>GDP per capita (spatial and temporal lag)</b>		0.0983 (0.0649)			0.0007 (0.0967)	
<b>Cold War</b>	<b>***-0.7183 (0.1638)</b>	<b>***-0.6242 (0.1874)</b>	<b>**0.3209 (0.1517)</b>	<b>***0.5036 (0.1352)</b>	<b>***0.5324 (0.1476)</b>	0.1939 (0.1200)
<b>Log GDP per capita (lag)</b>			<b>**0.2771 (0.1574)</b>			-0.1041 (0.1188)
<b>Capital Formation (% of GDP, lag)</b>			0.0067 (0.0057)			-0.0054 (0.0042)
<b>Deathrate (lag)</b>			<b>***-0.0678 (0.0155)</b>			
<b>Aid per capita (lag)</b>						<b>***-0.0057 (0.0017)</b>
<b>First Stage R-squared</b>		0.2123	0.1814		0.1905	0.1818

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**Table 5-A: Initial Civil Violence Regressions, First Observations from Each Period**

<i>Dependent Variable: Civil Violence, First Observation</i>	Estimate (4)	Estimate (5)	Estimate (6)
<b>Independent Variables \ Estimator</b>	2SLS, Random Effects	2SLS, Fixed Effects	2SLS, Fixed Effects
<b>Political Competition</b>	<b>***-0.0358 (0.0127)</b>	<b>**-.0364 (0.0144)</b>	<b>***-0.04333 (0.0145)</b>
<b>Cold War</b>	<b>***-0.8502 (0.2288)</b>	<b>***-0.7640 (0.2681)</b>	<b>***-0.7755 (0.2543)</b>
Civil Violence (spat. and temp. lag)		<b>*16.4443 (9.1841)</b>	12.3330 (9.5520)
Death Rate (spat. and temp. lag)	-0.9990 (1.3164)	-1.9216 (1.7238)	<b>***-6.2776 (1.8617)</b>
GDP per capita (spat. and temp. lag)			<b>***0.2738 (0.0822)</b>
Death Rate (temporal lag)			<b>**0.0546 (0.0214)</b>
Trade (% of GDP,temporal lag)			<b>*-0.0043 (0.0023)</b>
Log GDP per capita (temporal lag)			<b>***-0.5501 (0.1453)</b>
Observations	644	644	623
R-squared	0.0124	0.0154	0.0495
<b>First Stage Results on Political Competition</b>			
Polity (spat. and temp. lag)	<b>***104.5469 (14.9316)</b>	<b>***97.1209 (15.6030)</b>	<b>***102.0297 (16.0284)</b>
Death Rate (spat. and temp. lag)	<b>*-22.9508 (12.6222)</b>	<b>**-.33.8587 (15.4939 )</b>	<b>-4.6315 (19.7733)</b>
Cold War	<b>***-9.2736 (1.4650)</b>	<b>***-10.3049 (1.6600)</b>	<b>***-7.9532 (1.9198)</b>
Civil Violence (spat. and temp. lag)		-42.5102 (102.2370)	-61.6967 (103.3215)
GDP per capita (spat. and temp. lag)			-1.2083 (0.9121)
Death Rate (temporal lag)			<b>***-0.9243 (0.2115)</b>
Trade (% of GDP,temporal lag)			0.0202 (0.0248)
Log GDP per capita (temporal lag)			<b>** -3.3070 (1.5063)</b>
First Stage R-squared		0.2860	0.2724

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**Table 6-A: Second Civil Violence Estimates, First Observations from Each Period**

<i>Dependent Variable: Civil Violence</i>	Estimate (1)	Estimate (2)	Estimate (3)	Estimate (4)	Estimate (5)	Estimate (6)
<b>Independent Variables \ Estimator</b>	Random Effects	Fixed Effects	Fixed Effects	2SLS, Random Effects	2SLS, Fixed Effects	2SLS, Fixed Effects
<b>Political Competition</b>	<b>** -0.0314 (0.0138)</b>	<b>** -0.0235 (0.0096)</b>	<b>*** -0.0359 (0.0133)</b>			
<b>Civil Liberties</b>				<b>*** 0.5015 (0.1910)</b>	<b>** 0.5155 (0.2274)</b>	<b>*** 0.6984 (0.2298)</b>
<b>Cold War</b>	<b>*** -0.7768 (0.2444)</b>	<b>*** -0.5703 (0.2158)</b>	<b>*** -0.6718 (0.2385)</b>	<b>*** -0.5643 (0.1856)</b>	<b>** -0.5773 (0.2579)</b>	<b>*** -0.7113 (0.2554)</b>
<b>Civil Violence (spat. and temp. lag)</b>		*14.8594 (8.7232)	12.7459 (9.2257)		3.8288 (11.3628)	
<b>Death Rate (spat. and temp. lag)</b>	-0.6686 (1.3576)		<b>*** -5.6957 (1.7676)</b>			<b>** -4.3944 (1.9623)</b>
<b>GDP per capita (spat. and temp. lag)</b>			<b>*** 0.2739 (0.0794)</b>			<b>* 0.2264 (0.1375)</b>
<b>Death Rate (temporal lag)</b>			<b>*** 0.0595 (0.0205)</b>			<b>*** 0.0710 (0.0213)</b>
<b>Trade (% of GDP, temporal lag)</b>			<b>** -0.0044 (0.0022)</b>			
<b>Log GDP per capita (temporal lag)</b>			<b>*** -0.5279 (0.1398)</b>			<b>*** -0.4749 (0.1479)</b>
<b>Observations</b>	644	644	623	565	565	565
<b>R-squared</b>	0.0127	0.0174	0.0522	0.0638	0.0646	0.0873
<b>First Stage Results on Political Competition \ Civil Liberties</b>						
<b>Unified Democracy Score (spat. and temp. lag)</b>	<b>*** 1025.084 (162.6514)</b>	<b>*** 1167.669 (132.0872)</b>	<b>*** 1159.378 (172.9503)</b>	<b>*** -66.9774 (10.2897)</b>	<b>*** -58.8859 (9.9639)</b>	<b>*** -67.5298 (12.9216)</b>
<b>Death Rate (spat. and temp. lag)</b>	-20.8872 (13.2914)		-6.005177 (16.2712)			-2.6466 (1.6966)
<b>Cold War</b>	<b>*** -10.3753 (1.4281)</b>	<b>*** -10.8085 (1.5901)</b>	<b>*** -5.9682 (2.0492)</b>	<b>*** 0.2968 (0.1136)</b>	<b>*** 0.5402 (0.1199)</b>	<b>*** 0.4565 (0.1507)</b>
<b>Civil Violence (spat. and temp. lag)</b>		-114.7069 (99.1423)	-107.8276 (103.2377)		<b>*** 27.1910 (6.6389)</b>	<b>*** 29.6755 (7.6380)</b>
<b>GDP per capita (spat. and temp. lag)</b>			<b>** -3.1492 (1.5003)</b>			0.0802 (0.1010)
<b>Death Rate (temporal lag)</b>			<b>*** -0.9754 (0.2112)</b>			<b>*** 0.0460 (0.0154)</b>
<b>Trade (% of GDP, temporal lag)</b>			0.0188 (0.0247)			
<b>Log GDP per capita (temporal lag)</b>			<b>** -3.1492 (1.5003)</b>			-0.0402 (0.1068)
<b>First Stage R-squared</b>		0.2901	0.2907		0.1894	0.2147

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**Table 7-A: Final Estimates on Civil Violence, First Observations from Each Period**

<i>Dependent Variable: Civil Violence</i>	Estimate (1)	Estimate (2)	Estimate (3)	Estimate (4)	Estimate (5)	Estimate (6)
<b>Independent Variables \ Estimator</b>	Random Effects	Fixed Effects	Fixed Effects	2SLS, Random Effects	2SLS, Fixed Effects	2SLS, Fixed Effects
<b>Political Competition</b>	-0.0011 (0.0037)	-0.0032 (0.0038)	0.0023 (0.0038)	0.0111 (0.0236)	0.0114 (0.0246)	0.0110 (0.0250)
<b>Civil Liberties</b>	<b>***0.2349 (0.0542)</b>	<b>***0.2021 (0.0577)</b>	<b>**0.1385 (0.0561)</b>	<b>*0.7893 (0.4364)</b>	<b>*0.8028 (0.4612)</b>	0.6094 (0.4508)
<b>Cold War</b>	<b>***-0.4092 (0.1154)</b>			<b>***-0.6666 (0.2089)</b>	<b>***-0.6769 (0.2166)</b>	<b>***-0.7758 (0.1842)</b>
<b>Death Rate (temporal lag)</b>			<b>***0.0837 (0.0171)</b>			<b>**0.0624 (0.0249)</b>
<b>Log GDP per capita (temporal lag)</b>		<b>***0.3387 (0.0849)</b>	<b>***-0.4668 (0.1355)</b>			<b>***-0.5013 (0.1555)</b>
<b>Trade (% of GDP, temporal lag)</b>			<b>** -0.0048 (0.0021)</b>			
<b>GDP per capita (spatial and temporal lag)</b>			<b>***0.5083 (0.0909)</b>			
<b>Observations</b>	562	562	545	562	562	562
<b>R-squared</b>	0.0663	0.0077	0.0264	0.0679	0.0679	0.1017
<b><i>First Stage Results on Political Competition</i></b>						
<b>Unified Democracy Score (spat. and temp. lag)</b>				<b>***1347.7890 (144.0011)</b>	<b>***1357.0730 (149.4233)</b>	<b>***1224.9050 (146.3966)</b>
<b>Civil Violence (spat. and temp. lag)</b>				-138.9862 (96.1072)	-138.8700 (99.6786)	-134.4392 (97.2296)
<b>Cold War</b>				<b>***8.9817 (1.6998)</b>	<b>***-8.9896 (1.7571)</b>	<b>***-6.0964 (1.7673)</b>
<b>Death Rate (temporal lag)</b>						<b>***-1.1260 (0.1829)</b>
<b>Log GDP per capita (temporal lag)</b>						-1.4907 (1.5523)
<b>First Stage R-squared</b>					0.3125	0.3199
<b><i>First Stage Results on Civil Liberties</i></b>						
<b>Unified Democracy Score (spat. and temp. lag)</b>				<b>***-58.8900 (9.7002)</b>	<b>***-58.6406 (9.9831)</b>	<b>***-54.6617 (10.0785)</b>
<b>Civil Violence (spat. and temp. lag)</b>				<b>***27.1535 (6.4740)</b>	<b>***26.7687 (6.6596)</b>	<b>***25.9468 (6.6937)</b>
<b>Cold War</b>				<b>***0.5444 (0.1145)</b>	<b>***0.5484 (0.1174)</b>	<b>***0.4663 (0.1217)</b>
<b>Death Rate (temporal lag)</b>						<b>**0.0296 (0.0126)</b>
<b>Log GDP per capita (temporal lag)</b>						-0.0453 (0.1069)
<b>First Stage R-squared</b>					0.1887	0.2039