



Correction to: The relationship between decentralization and economic growth across regimes

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Correction to: The Annals of Regional Science
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Unfortunately, in original article, in the Tables 3 and 4, the negative coefficients have the sign in one row and the number in another below and Table 5 has typos since the first three variables in the table are not DM_t but D_t. Please place Tables 3, 4 and 5.

The original article can be found online at <https://doi.org/10.1007/s00168-022-01187-x>.

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Table 3 PSTR with an index of TFP as the transition variable

Transition variable	Index of TFP							
	(1)		(2)		(3)		(4)	
Threshold	102.0824		103.2639		103.4499		104.7521	
Gamma	5		20		14		20	
	Low	58%	Low	66%	Low	29%	Low	45%
	Coef.	S.E.	Coef.	S.E.	Coef.	S.E.	Coef.	S.E.
D_t	0.0160	0.0103	0.0142	0.0083	0.0235	0.0133*	0.0200	0.0125
D_{t-1}	-0.0099	0.0071	-0.0087	0.0057	-0.0110	0.0093	-0.0126	0.0074
D_{t-2}	-0.0085	0.0036**	-0.0061	0.0033*	-0.0065	0.0054	-0.0063	0.0041
$\Delta \text{Log}(S_{it})$	0.0085	0.0036**	0.0124	0.0020***	0.0174	0.0047***	0.0118	0.0031***
$\Delta \text{Log}(k_{it}^{pu})$	0.3647	0.0943***	0.1679	0.0706**	0.2657	0.1217**	0.2019	0.0732**
$\Delta \text{Log}(k_{it}^{hc})$	0.0287	0.0465	0.0160	0.0382	0.0462	0.0664	0.0028	0.0468
$\Delta \text{Log}(k_{it}^s)$	-0.0122	0.0122	0.0020	0.0104	0.0098	0.0130	-0.0053	0.0129
$\Delta \text{Log}(k_{it}^{rd})$	0.1380	0.0377***	0.0892	0.0237***	0.0441	0.0413	0.0954	0.0578
$\Delta \text{Log}(T_{it})$	-0.0013	0.0172	0.0039	0.0119	0.0337	0.0193*	0.0002	0.0135
$\Delta \text{Log}(F_{it})$	0.0140	0.0059**	0.0104	0.0055*	-0.0025	0.0097	0.0045	0.0051
$\Delta \text{Log}(I_{it}^{pu})$	0.0201	0.0083**	0.0157	0.0069**	0.0507	0.0145***	0.0199	0.0108*
$\Delta \text{Log}(I_{it}^{eh})$	-0.0016	0.0052	0.0000	0.0040	-0.0064	0.0085	0.0009	0.0068
$\Delta \text{Log}(R_{it})$	-0.0321	0.0297	-0.0262	0.0282	-0.0638	0.0289**	-0.0778	0.0273**
	High	42%	High	34%	High	71%	High	55%
	Coef.	S.E.	Coef.	S.E.	Coef.	S.E.	Coef.	S.E.
D_t	0.0040	0.0054	0.0066	0.0057	0.0038	0.0048	0.0049	0.0057
D_{t-1}	-0.0045	0.0077	-0.0043	0.0066	-0.0052	0.0054	-0.0039	0.0058
D_{t-2}	-0.0091	0.0071	-0.0104	0.0051*	-0.0017	0.0034	-0.0021	0.0037
$\Delta \text{Log}(S_{it})$	0.0192	0.0035***	0.0151	0.0033***	0.0084	0.0041*	0.0124	0.0040***
$\Delta \text{Log}(k_{it}^{pu})$	0.3185	0.0789***	0.1354	0.0459***	0.1657	0.0515***	0.1705	0.0503***
$\Delta \text{Log}(k_{it}^{hc})$	0.0398	0.0322	0.0235	0.0232	-0.0139	0.0251	0.0001	0.0250
$\Delta \text{Log}(k_{it}^s)$	-0.0319	0.0122**	-0.0189	0.0110	-0.0098	0.0088	-0.0060	0.0099
$\Delta \text{Log}(k_{it}^{rd})$	0.0302	0.0261	-0.0105	0.0171	0.0375	0.0222	0.0296	0.0222
$\Delta \text{Log}(T_{it})$	-0.0122	0.0083	-0.0148	0.0053**	-0.0128	0.0056**	-0.0084	0.0054
$\Delta \text{Log}(F_{it})$	0.0032	0.0059	0.0071	0.0055	0.0047	0.0054	0.0085	0.0059
$\Delta \text{Log}(I_{it}^{pu})$	0.0032	0.0049	-0.0006	0.0032	0.0033	0.0033	0.0031	0.0040
$\Delta \text{Log}(I_{it}^{eh})$	-0.0024	0.0023	-0.0020	0.0014	-0.0011	0.0033	-0.0016	0.0032
$\Delta \text{Log}(R_{it})$	-0.0453	0.0336	-0.0266	0.0192	-0.0194	0.0195	-0.0298	0.0199
No. of observations	372		372		372		372	

Table 3 (continued)

	High Coef.	42% S.E.	High Coef.	34% S.E.	High Coef.	71% S.E.	High Coef.	55% S.E.
No. of individuals	17		17		17		17	
R^2	0.4771		0.4127		0.5285		0.4597	
Linearity tests	<i>Statistic</i>	<i>p-value</i>	<i>Statistic</i>	<i>p-value</i>	<i>Statistic</i>	<i>p-value</i>	<i>Statistic</i>	<i>p-value</i>
$H_0: \delta_1 = \dots = \delta_m = 0$	1.8256	0.0026	1.5786	0.0181	2.1647	0.0001	1.5298	0.0257
$H_0: \pi_1 = \pi_2$	19.9701	0.0000	12.6854	0.0000	13.0061	0.0000	13.3317	0.0000

***, **, * Significant at 1%, 5% y 10%, respectively

Table 4 PSTR with the human capital per worker as the transition variable

Transition variable	Humancapitalstockperworker							
	(1)		(2)		(3)		(4)	
Threshold	0.8542		0.8633		0.8185		0.8185	
Gamma	20		19		5		5	
	Low	13%	Low	14%	Low	5%	Low	5%
	Coef.	S.E.	Coef.	S.E.	Coef.	S.E.	Coef.	S.E.
D_t	0.0086	0.0042*	0.0154	0.0043***	0.0171	0.0114	0.0152	0.0132
D_{t-1}	- 0.0201	0.0088**	- 0.0193	0.0072**	- 0.0312	0.0158*	- 0.0307	0.0159*
D_{t-2}	-0.0005	0.0065	0.0020	0.0052	-0.0025	0.0131	-0.0038	0.0137
$\Delta \text{Log}(S_{it})$	0.0537	0.0154***	0.0404	0.0134***	0.0743	0.0400*	0.0724	0.0424
$\Delta \text{Log}(k_{it}^{pu})$	0.3475	0.1534***	0.2065	0.1342	0.1196	0.2111	0.1731	0.2258
$\Delta \text{Log}(k_{it}^{hc})$	0.2698	0.0856***	0.1141	0.0818	0.0938	0.1509	0.1124	0.1693
$\Delta \text{Log}(k_{it}^s)$	-0.0721	0.0422	- 0.0894	0.0363**	- 0.1140	0.0515**	- 0.0934	0.0517*
$\Delta \text{Log}(k_{it}^d)$	0.0008	0.0893	-0.0587	0.0864	0.1669	0.1286	0.1561	0.1350
$\Delta \text{Log}(T_{it})$	0.0517	0.0496	0.0442	0.0452	0.0925	0.0761	0.0868	0.0793
$\Delta \text{Log}(F_{it})$	0.0284	0.0254	0.0278	0.0249	0.0207	0.0430	0.0179	0.0416
$\Delta \text{Log}(I_{it}^{pu})$	0.0211	0.0253	0.0198	0.0234	0.0017	0.0427	0.0003	0.0424
$\Delta \text{Log}(I_{it}^{eh})$	- 0.0256	0.0073***	- 0.0253	0.0080***	- 0.0594	0.0135***	- 0.0579	0.0134***
$\Delta \text{Log}(R_{it})$	-0.1088	0.0805	-0.0799	0.0635	0.1430	0.1741	0.1073	0.1786
	High	87%	High	86%	High	95%	High	95%
	Coef.	S.E.	Coef.	S.E.	Coef.	S.E.	Coef.	S.E.
D_t	0.0118	0.0078	0.0103	0.0079	0.0067	0.0075	0.0069	0.0078

Table 4 (continued)

	High Coef.	87% S.E.	High Coef.	86% S.E.	High Coef.	95% S.E.	High Coef.	95% S.E.
D_{t-1}	-0.0060	0.0069	-0.0051	0.0064	-0.0035	0.0063	-0.0039	0.0064
D_{t-2}	-0.0067	0.0035*	-0.0069	0.0034*	-0.0034	0.0029	-0.0033	0.0029
$\Delta \text{Log}(S_{it})$	0.0122	0.0023***	0.0115	0.0024***	0.0111	0.0026***	0.0112	0.0025***
$\Delta \text{Log}(k_{it}^{pu})$	0.3871	0.0868***	0.1971	0.0712**	0.2426	0.0552***	0.2351	0.0561***
$\Delta \text{Log}(k_{it}^{hc})$	0.0206	0.0237	0.0070	0.0188	-0.0092	0.0207	-0.0037	0.0189
$\Delta \text{Log}(k_{it}^s)$	-0.0297	0.0135**	-0.0183	0.0126	-0.0095	0.0135	-0.0083	0.0136
$\Delta \text{Log}(k_{it}^d)$	0.0536	0.0422	0.0242	0.0346	0.0218	0.0276	0.0243	0.0270
$\Delta \text{Log}(T_{it})$	-0.0006	0.0065	0.0029	0.0053	0.0029	0.0062	0.0024	0.0066
$\Delta \text{Log}(F_{it})$	0.0079	0.0031**	0.0066	0.0027**	0.0084	0.0036**	0.0090	0.0035**
$\Delta \text{Log}(I_{it}^{pu})$	0.0127	0.0048**	0.0095	0.0043**	0.0113	0.0047**	0.0110	0.0046**
$\Delta \text{Log}(I_{it}^{eh})$	-0.0021	0.0032	-0.0013	0.0028	-0.0013	0.0032	-0.0016	0.0033
$\Delta \text{Log}(R_{it})$	-0.0390	0.0222*	-0.0354	0.0202*	-0.0482	0.0194**	-0.0486	0.0197**
	388		388		388		388	
	17		17		17		17	
	0.5458		0.4991		0.5011		0.4699	
Linearity tests	<i>Statistic</i>	<i>p-value</i>	<i>Statistic</i>	<i>p-value</i>	<i>Statistic</i>	<i>p-value</i>	<i>Statistic</i>	<i>p-value</i>
$H_0: \delta_1 = \dots = \delta_m = 0$	1.3947	0.0633	1.3199	0.1010	1.4261	0.0515	1.4405	0.0468
$H_0 : \pi_1 = \pi_2$	26.0682	0.0000	26.1462	0.0000	18.0798	0.0000	17.0686	0.0000

***, **, * Significant at 1%, 5% y 10%, respectively

Table 5 (Continued)

	High Coef.	17% S.E.	High Coef.	17% S.E.	High Coef.	17% S.E.	High Coef.	40% S.E.	High Coef.	64% S.E.	High Coef.	95% S.E.
D_t	0.0840	0.0083***	0.0840	0.0087***	0.0811	0.0090***	0.0076	0.0057	0.0044	0.0048	0.0014	0.0048
D_{t-1}	-0.0481	0.0108***	-0.0506	0.0110***	-0.0550	0.0099***	-0.0036	0.0064	-0.0044	0.0054	-0.0032	0.0057
D_{t-2}	0.0000	0.0063	0.0027	0.0068	-0.0053	0.0056	-0.0092	0.0054	-0.0074	0.0047	-0.0051	0.0031
$\Delta \text{Log}(S_{it})$	0.0194	0.0072**	0.0161	0.0074**	0.0209	0.0068***	0.0152	0.0033***	0.0186	0.0039***	0.0147	0.0028***
$\Delta \text{Log}(k_{it}^{pu})$	0.0813	0.0765	0.0315	0.0876	0.0252	0.0585	0.1777	0.0475***	0.0950	0.0464*	0.0342	0.0699
$\Delta \text{Log}(k_{it}^{kc})$	0.0683	0.0837	0.0643	0.0902	0.0339	0.0739	0.0123	0.0222	0.0100	0.0191	0.0308	0.0332
$\Delta \text{Log}(k_{it}^s)$	-0.0216	0.0180	-0.0233	0.0163	-0.0438	0.0181**	-0.0131	0.0106	-0.0201	0.0097*	-0.0267	0.0079***
$\Delta \text{Log}(k_{it}^{rd})$	0.0557	0.0441	0.0844	0.0480*	0.0760	0.0422*	-0.0128	0.0198	0.0218	0.0171	0.0376	0.0266
$\Delta \text{Log}(T_{it})$	0.0625	0.0339*	0.0624	0.0352*	0.0554	0.0364	-0.0143	0.0061**	-0.0136	0.0052**	-0.0157	0.0069**
$\Delta \text{Log}(F_{it})$	0.0101	0.0069	0.0112	0.0070	0.0114	0.0071	0.0062	0.0043	0.0044	0.0054	0.0055	0.0044
$\Delta \text{Log}(I_{it}^{pu})$	-0.0034	0.0044	0.0002	0.0052	-0.0006	0.0050	-0.0006	0.0029	0.0024	0.0033	0.0013	0.0043
$\Delta \text{Log}(I_{it}^{eh})$	-0.0008	0.0031	-0.0011	0.0029	-0.0041	0.0039	-0.0016	0.0016	-0.0030	0.0029	0.0000	0.0027
$\Delta \text{Log}(R_{it})$	-0.0334	0.0399	-0.0345	0.0418	-0.0221	0.0341	-0.0376	0.0236	-0.0290	0.0202	-0.0283	0.0177
No. of observations	388		388		388		372		372		372	
No. of individuals	17		17		17		17		17		17	
R^2	0.5677		0.5783		0.5769		0.4177		0.4592		0.5703	
Linearity tests	Statistic	p-value	Statistic	p-value	Statistic	p-value	Statistic	p-value	Statistic	p-value	Statistic	p-value
$H_0: \delta_1 = \dots = \delta_m = 0$	1.9281	0.0040	1.8534	0.0066	2.0504	0.0018	1.4891	0.0342	1.6148	0.0138	1.4643	0.0405
$H_0: \pi_1 = \pi_2$	21.6081	0.0000	24.8087	0.0000	48.3382	0.0000	15.6016	0.0000	148.0603	0.0000	16.9279	0.0000

Table 5 (Continued)

Human capital stock per worker		Cobb–Douglas production function		Translog production function	
Cobb–Douglas production function		Translog production function		Translog production function	
$\Delta\%$ TFP from OLS residuals		$\Delta\%$ TFP from SF residuals		$\Delta\%$ TFP from SF residuals	
Threshold	0.8185	0.8633	0.9384		
Gamma	3	20	20		
	Low	Low	Low	Low	43%
	5%	14%			
	Coef.	Coef.	Coef.	Coef.	S.E.
	S.E.	S.E.	S.E.	S.E.	S.E.
D_t	0.0254	0.0107**	0.0150	0.0044***	0.0209
D_{t-1}	-0.0313	0.0150*	-0.0196	0.0071**	-0.0191
D_{t-2}	0.0011	0.0155	0.0025	0.0051	-0.0071
$\Delta\text{Log}(S_{it}^s)$	0.0733	0.0384*	0.0404	0.0136***	0.0205
$\Delta\text{Log}(k_{it}^{pw})$	0.0481	0.3212	0.1893	0.1308	0.2217
$\Delta\text{Log}(k_{it}^{kc})$	0.0787	0.1294	0.1103	0.0834	0.0411
$\Delta\text{Log}(k_{it}^s)$	-0.1703	0.0634**	-0.0858	0.0354**	-0.0225
$\Delta\text{Log}(k_{it}^{rd})$	0.1113	0.1746	-0.0562	0.0865	0.0598
$\Delta\text{Log}(T_{it})$	0.1013	0.0856	0.0435	0.0450	0.0274
$\Delta\text{Log}(F_{it})$	0.0596	0.0397	0.0291	0.0250	0.0107
$\Delta\text{Log}(I_{it}^{pw})$	0.0223	0.0419	0.0214	0.0234	0.0159
$\Delta\text{Log}(I_{it}^{eh})$	-0.0528	0.0159***	-0.0257	0.0080***	-0.0043
$\Delta\text{Log}(R_{it})$	0.0493	0.1374	-0.0861	0.0629	-0.0620
					0.0115*
					0.0102*
					0.0050
					0.0069***
					0.0736***
					0.0457
					0.0107*
					0.0289*
					0.0138*
					0.0097
					0.0086*
					0.0043
					0.0346*

Table 5 (Continued)

	High Coef.	95% S.E.	High Coef.	86% S.E.	High Coef.	57% S.E.
D_t	0.0085	0.0075	0.0103	0.0079	0.0003	0.0042
D_{t-1}	-0.0030	0.0062	-0.0053	0.0065	-0.0009	0.0047
D_{t-2}	-0.0062	0.0034*	-0.0071	0.0034*	-0.0027	0.0038
$\Delta \text{Log}(S_{it})$	0.0114	0.0029***	0.0112	0.0026***	0.0109	0.0028***
$\Delta \text{Log}(k_{it}^{pu})$	0.2357	0.0645***	0.1615	0.0705**	0.0187	0.0786
$\Delta \text{Log}(k_{it}^{kc})$	0.0026	0.0190	0.0091	0.0176	0.0160	0.0334
$\Delta \text{Log}(k_{it}^s)$	-0.0143	0.0129	-0.0180	0.0122	-0.0240	0.0085**
$\Delta \text{Log}(k_{it}^{rd})$	-0.0059	0.0313	0.0280	0.0353	0.0481	0.0410
$\Delta \text{Log}(T_{it})$	0.0024	0.0056	0.0029	0.0053	-0.0061	0.0081
$\Delta \text{Log}(F_{it})$	0.0071	0.0027**	0.0060	0.0028**	0.0086	0.0040**
$\Delta \text{Log}(I_{it}^{pu})$	0.0090	0.0044*	0.0110	0.0043**	0.0097	0.0047*
$\Delta \text{Log}(I_{it}^{ch})$	-0.0006	0.0030	-0.0019	0.0029	-0.0061	0.0021***
$\Delta \text{Log}(R_{it})$	-0.0387	0.0214*	-0.0361	0.0206*	-0.0393	0.0295
No. of observations	388		388		388	
No. of individuals	17		17		17	
R^2	0.4948		0.5041		0.5523	
Linearity tests	Statistic	p-value	Statistic	p-value	Statistic	p-value
$H_0: \delta_1 = \dots = \delta_m = 0$	1.3630	0.0775	1.3129	0.1054	1.7980	0.0032
$H_0: \pi_1 = \pi_2$	18.4401	0.0000	28.0182	0.0000	4.2094	0.0040

***, **, * Significant at 1%, 5% y 10%, respectively

The Original Article has been corrected.

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