

Supplementary Material for

Investigating the temporal and spatial dynamics of Human Development

Index: A comparative study on countries and regions in the Eastern

Hemisphere from the perspective of evolution

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Supplementary Material

In this supplementary material, the second-order regression models for nighttime lights data are listed.

Table S1. Coefficients of the second-order regression models for nighttime lights data.

Satellite	Year	a	b	c
F10	1992	-0.009	1.590	-2.057
	1993	-0.009	1.598	-1.058
	1994	-0.008	1.486	-0.346
F12	1994	-0.003	1.177	-0.689
	1995	-0.004	1.229	-0.052
	1996	-0.004	1.273	-0.096
	1997	-0.003	1.178	-0.332
	1998	-0.001	1.065	-0.061
	1999	0.000	1.000	0.000
F14	1997	-0.012	1.770	-1.132

Satellite	Year	a	b	c
	1998	-0.010	1.632	-0.192
	1999	-0.008	1.506	-0.156
	2000	-0.005	1.316	1.099
	2001	-0.005	1.322	0.194
	2002	-0.004	1.191	1.052
	2003	-0.004	1.242	0.739
F15	2000	-0.001	1.045	0.125
	2001	-0.001	1.108	-0.702
	2002	0.001	0.957	0.049
	2003	-0.008	1.512	0.222
	2004	-0.005	1.334	0.575
	2005	-0.004	1.284	0.637
	2006	-0.004	1.279	0.826
	2007	-0.005	1.297	1.361
F16	2004	-0.003	1.196	0.285
	2005	-0.006	1.416	0.000
	2006	-0.002	1.137	0.107
	2007	0.001	0.911	0.639
	2008	0.000	0.993	0.556
	2009	-0.002	1.068	0.949
F18	2010	0.007	0.510	2.343
	2011	0.003	0.735	1.896
	2012	0.005	0.620	1.875
	2013	0.000	0.929	0.462