Econometric estimation

Pooled estimator

Random effects estimator

Fixed effects estimator

Poisson pseudo-maximum-likelihood estimator For regressors not in logs, the semi-elasticity is given by 100*(exp(beta) - 1)%. https://www.statalist.org/forums/forum/general-stata-discussion/general/1458657-interpretation-of-coefficients-in-gravity-model-using-ppml-dummies

Hausman test

Results

% Table created by stargazer v.5.2.3 by Marek Hlavac, Social Policy Institute. E-mail: marek.hlavac at gmail.com % Date and time: Thu, Jun 30, 2022 - 17:15:30

Table 1:

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	POLS	REE (2)	FEE (3)	PPML (4)
	(1)			
Suma bilateral del producto interno bruto	2.428*** (0.476)	1.718*** (0.093)	3.508*** (0.562)	0.971** (0.017
Diferencia en la dotación relativa de factores	0.434 (0.539)	-0.125 (0.187)	0.690 (0.684)	0.168* (0.081
Similitud en el tamaño de las economías	11.410*** (4.197)	5.441*** (0.786)	18.646*** (3.701)	2.483* (0.247
Distancia entre principales centros urbanos	-2.092*** (0.307)	-2.554*** (0.092)	-1.753*** (0.499)	-1.117 (0.054
Fronteras en común	-0.752 (0.677)	-1.632*** (0.165)	-0.247 (1.209)	-0.275 (0.111
Lenguaje en común	3.914** (1.744)	1.136*** (0.179)	7.215*** (1.499)	0.04
Colonizador en común	-2.320** (1.072)	-0.923*** (0.220)	4.764** (1.958)	0.632* (0.089
Índice de similitud en creencias religiosas	—1.991 (1.878)	-1.269*** (0.234)	-2.894 (2.335)	0.199 (0.323
Acuerdos comerciales regionales	0.579 (0.450)	0.671* (0.368)	0.629 (0.728)	0.565* (0.090
Constante	-33.028** (14.829)	-9.726*** (2.343)		
N	1,560	1,560	1,560	1,560
R^2	0.640	0.613	0.771	
Adjusted R ²	0.638	0.611	0.537	
	306.748***	1,956.964***	288.501***	0.045
Pseudo R 2				0.915