Parameter Model 1 Model 2 -44 01*** -32.13***

Intercept

Time

Stringency

index

Origin

Intercept (O)

Time (O)

AIC

Density	Fixed effects (coefficients)	Intercept	(3.08)	(2.52)	(4.98)	(2.427)	(4.10)
		Time	0.410*** (0.022)	0.410*** (0.018)	0.410*** (0.017)	0.393*** (0.067)	0.41*** (0.02)
		Stringency index	0.037 (0.029)	0.037 (0.023)	0.037 (0.021)	0.037 (0.023)	0.037 (0.021)
		Origin		-6.46*** (0.17)			
	Random effects (variance)	Intercept (O)			97.12 (9.86)		57.84 (7.60)
		Time (O)				0.021 (0.144)	0.002 (0.041)
		AIC	23108.6	21954.5	21555.5	21826.0	21521.4
RDI		Intercept	3.05 (12.50)	3.54 (12.55)	2.10 (14.47)	3.05 (11.76)	2.18 (13.95)

0.41***

(0.09)

0.02

(0.12)

10104.8

0 41***

(0.09)

0.02

(0.12)

-0.63

(1.52)

10106.6

COLOMBIA

Model 3

-45.18***

0 41***

(0.08)

0.02

(0.11)

226.7

(15.1)

9964.3

Model 4

-44.011***

0.39***

(0.15)

0.02

(0.11)

0.05

(0.21)

9996.7

Model 5

-44 92***

0.41***

(0.09)

0.02

(0.11)

182.7

(13.5)

0.0008

(0.0284)

9967.7

Fixed effects (coefficients)

Random effects

(variance)

* p<0.1, ** p<0.05, *** p<0.01

Effects

OD categories

Density