**ARGENTINA**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Categories** | **Effects** | **Parameter** | | **Model 1** | **Model 2** | | **Model 3** | **Model 4** | **Model 5** | | **Model 6** | **Model 7** |
| Density | Fixed effects  (coefficients) | Intercept | | -33.975\*\*\*  (2.359) | -27.171\*\*\*  (1.024) | | -33.975\*\*\*  (2.382) | -33.975\*\*\*  (1.220) | -33.975\*\*\*  (2.251) | | -31.892\*\*\*  (2.277) | -31.892\*\*\*  (2.399) |
|  | Time | | 0.333\*\*\*  (0.017) | 0.333\*\*\*  (0.007) | | 0.333\*\*\*  (0.004) | 0.333\*\*\*  (0.033) | 0.333\*\*\*  (0.009) | | 0.362\*\*\*  (0.011) | 0.362\*\*\*  (0.015) |
|  | Time\*\*2 | |  |  | |  |  |  | | -4.46e-4\*\*\*  (7.79e-5) | -4.46e-4\*\*\*  (1.11e-4) |
|  | Stringency index | | 0.080\*\*\*  (0.022) | 0.080\*\*\*  (0.009) | | 0.080\*\*\*  (0.006) | 0.080\*\*\*  (0.011) | 0.080\*\*\*  (0.005) | | 0.051\*\*\*  (0.007) | 0.051\*\*\*  (0.007) |
|  | Origin | |  | -3.402\*\*\*  (0.069) | |  |  |  | |  |  |
|  | Random effects (variance) | Intercept (O) | |  |  | | 5.153 |  | 4.887 | | 4.888 | 5.174 |
|  | Time (O) | |  |  | |  | 0.072 | 0.019 | | 0.019 | 0.031 |
|  | Time\*\*2 (O) | |  |  | |  |  |  | |  | 1.79e-4 |
|  |  | AIC | | 3340.442 | 2506.427 | | 1964.612 | 2739.120 | 1864.519 | | 1834.722 | 1831.951 |
| RDI | Fixed effects (coefficients) | Intercept | | -17.327\*\*  (7.707) | -33.119\*\*\*  (2.280) | | -17.327\*\*  (7.788) | -17.327\*\*\*  (3.904) | -17.327\*\*  (7.750) | | -16.879  (NA) | -16.867\*\*  (8.156) |
|  | Time | | 0.316\*\*\*  (0.056) | 0.316\*\*\*  (0.016) | | 0.316\*\*\*  (0.004) | 0.316\*\*\*  (0.109) | 0.316\*\*\*  (0.004) | | 0.322  (NA) | 0.322\*\*\*  (0.022) |
|  | Time\*\*2 | |  |  | |  |  |  | | -9.61e-5  (NA) | -9.58e-5  (2.16e-4) |
|  | Stringency index | | 0.049  (0.072) | 0.049  (0.021) | | 0.049\*\*\*  (0.005) | 0.049  (0.036) | 0.049\*\*\*  (0.005) | | 0.043  (NA) | 0.043  (0.006) |
|  | Origin | |  | 15.792\*\*\*  (0.266) | |  |  |  | |  |  |
|  | Random effects (variance) | Intercept (O) | |  |  | | 13.458 |  | 13.392 | | 13.392 | 14.080 |
|  | Time (O) | |  |  | |  | 0.183 | 0.001 | | 0.001 | 0.037 |
|  | Time\*\*2 (O) | |  |  | |  |  |  | |  | 3.52e-4 |
|  |  | AIC | | 2685.882 | 1872.292 | | 929.586 | 2252.314 | 932.994 | | 933.470 | NA |
| \* p<0.1, \*\* p<0.05, \*\*\* p<0.01 | | |  | | |  | | | |  | | |