**ARGENTINA**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Categories** | **Effects** | **Parameter** | | **Model 1** | **Model 2** | | **Model 3** | **Model 4** | **Model 5** | | **Model 6** | **Model 7** |
| Density | Fixed effects  (coefficients) | Intercept | | -34.722\*\*\*  (1.497) | -31.824\*\*\*  (1.449) | | -34.965\*\*\*  (2.104) | -34.722\*\*\*  (1.371) | -35.053\*\*\*  (2.346) | | -32.563\*\*\*  (2.292) | -32.652\*\*\*  (2.518) |
|  | Time | | 0.359\*\*\*  (0.011) | 0.359\*\*\*  (0.010) | | 0.359\*\*\*  (0.010) | 0.356\*\*\*  (0.024) | 0.360\*\*\*  (0.015) | | 0.392\*\*\*  (0.016) | 0.394\*\*\*  (0.019) |
|  | Time\*\*2 | |  |  | |  |  |  | | -5.136e-4\*\*\*  (1.948e-4) | -5.141e-4\*\*\*  (1.928e-4) |
|  | Stringency index | | 0.085\*\*\*  (0.014) | 0.085\*\*\*  (0.013) | | 0.085\*\*\*  (0.012) | 0.085\*\*\*  (0.013) | 0.085\*\*\*  (0.012) | | 0.053\*\*\*  (0.017) | 0.052\*\*\*  (0.017) |
|  | Origin | |  | -1.512\*\*\*  (0.100) | |  |  |  | |  |  |
|  | Random effects (variance) | Intercept (O) | |  |  | | 3.675 |  | 4.359 | | 3.676 | 4.372 |
|  | Time (O) | |  |  | |  | 0.048 | 0.025 | | 6.39e-7 | 0.026 |
|  | Time\*\*2 (O) | |  |  | |  |  |  | |  | 7.07e-6 |
|  |  | AIC | | 18241.032 | 18022.467 | | 17575.527 | 17797.956 | 17552.303 | | NA | NA |
| RDI | Fixed effects (coefficients) | Intercept | | -12.064\*\*  (6.137) | -18.509\*\*\*  (5.775) | | -10.283  (6.915) | -12.065\*\*  (5.943) | -9.389  (8.110) | | -10.601  (7.986) | -9.708  (7.320) |
|  | Time | | 0.395\*\*\*  (0.045) | 0.395\*\*\*  (0.042) | | 0.395\*\*\*  (0.042) | 0.414\*\*\*  (0.061) | 0.379\*\*\*  (0.054) | | 0.391\*\*\*  (0.070) | 0.375\*\*\*  (0.076) |
|  | Time\*\*2 | |  |  | |  |  |  | | 6.82e-5  (8.543e-4) | 6.80e-5  (8.169e-4) |
|  | Stringency index | | 0.034  (0.057) | 0.034  (0.054) | | 0.034  (0.054) | 0.034  (0.055) | 0.034  (0.053) | | 0.038  (0.076) | 0.038  (0.067) |
|  | Origin | |  | 8.285\*\*\*  (0.702) | |  |  |  | |  |  |
|  | Random effects (variance) | Intercept (O) | |  |  | | 6.630 |  | 9.934 | | 6.630 | 9.933 |
|  | Time (O) | |  |  | |  | 0.073 | 0.059 | | 2.27e-7 | 0.059 |
|  | Time\*\*2 (O) | |  |  | |  |  |  | |  | 2.48e-7 |
|  |  | AIC | | 8684.105 | 8555.674 | | 8569.940 | 8631.177 | 8563.208 | | NA | NA |
| \* p<0.1, \*\* p<0.05, \*\*\* p<0.01 | | |  | | |  | | | |  | | |