**COLOMBIA**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Categories** | **Effects** | **Parameter** | | **Model 1** | **Model 2** | | **Model 3** | **Model 4** | **Model 5** | | **Model 6** | **Model 7** |
| Density | Fixed effects  (coefficients) | Intercept | | -44.011\*\*\*  (3.075) | -32.133\*\*\*  (2.517) | | -45.180\*\*\*  (4.977) | -44.011\*\*\*  (2.427) | -44.915\*\*\*  (4.103) | | -43.143  (NA) | -43.142\*\*\*  (4.400) |
|  | Time | | 0.410\*\*\*  (0.022) | 0.410\*\*\*  (0.018) | | 0.410\*\*\*  (0.017) | 0.393\*\*\*  (0.067) | 0.405\*\*\*  (0.025) | | 0.430  (NA) | 0.430\*\*\*  (0.033) |
|  | Time\*\*2 | |  |  | |  |  |  | | -3.787e-4  (NA) | -3.787e-4  (3.405e-4) |
|  | Stringency index | | 0.037  (0.029) | 0.037  (0.023) | | 0.037\*  (0.021) | 0.037\*  (0.023) | 0.037\*  (0.021) | | 0.013  (NA) | 0.013  (0.030) |
|  | Origin | |  | -6.455  (0.170) | |  |  |  | |  |  |
|  | Random effects (variance) | Intercept (O) | |  |  | | 9.855 |  | 7.605 | | 7.605 | 7.602 |
|  | Time (O) | |  |  | |  | 0.144 | 0.041 | | 0.041 | 0.041 |
|  | Time\*\*2 (O) | |  |  | |  |  |  | |  | 4.30e-41 |
|  |  | AIC | | 23108.646 | 21954.478 | | 2155.472 | 21825.992 | 211521.398 | | 21522.161 | NA |
| RDI | Fixed effects (coefficients) | Intercept | | 3.051  (12.496) | 3.543  (12.551) | | 2.097  (14.470) | 3.051  (11.757) | 2.178  (13.951) | | 3.994  (NA) | 3.949  (13.071) |
|  | Time | | 0.410\*\*\*  (0.091) | 0.410\*\*\*  (0.091) | | 0.410\*\*\*  (0.084) | 0.393\*\*\*  (0.150) | 0.408\*\*\*  (0.086) | | 0.406  (NA) | 0.389  (0.322) |
|  | Time\*\*2 | |  |  | |  |  |  | | -2.018e-4  (NA) | 2.98e-4  (0.003) |
|  | Stringency index | | 0.016  (0.116) | 0.016  (0.116) | | 0.016  (0.108) | 0.016  (0.109) | 0.016  (0.107) | | 3.514e-3  (NA) | 0.004  (0.143) |
|  | Origin | |  | -0.633  (1.525) | |  |  |  | |  |  |
|  | Random effects (variance) | Intercept (O) | |  |  | | 15.056 |  | 13.516 | | 2.61e-23 | 4.41e-51 |
|  | Time (O) | |  |  | |  | 0.214 | 0.028 | | 0.214 | 0.502 |
|  | Time\*\*2 (O) | |  |  | |  |  |  | |  | 0.004 |
|  |  | AIC | | 10104.814 | 10106.642 | | 9964.251 | 9996.685 | 9967.650 | | 10002.672 | NA |
| \* p<0.1, \*\* p<0.05, \*\*\* p<0.01 | | |  | | |  | | | |  | | |