**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 | | -44.763\*\*\*  (6.946) | -24.430\*\*\*  (2.811) | | -44.763\*\*\*  (7.019) | -44.763\*\*\*  (3.204) | -44.763\*\*\*  (6.386) | | -43.143\*\*\*  (6.387) | -43.133\*\*\*  (6.445) |
|  | Time | | 0.360\*\*\*  (0.050) | 0.360\*\*\*  (0.020) | | 0.360\*\*\*  (0.004) | 0.360\*\*\*  (0.101) | 0.360\*\*\*  (0.101) | | 0.383\*\*\*  (0.016) | 0.383\*\*\*  (0.016) |
|  | Time\*\*2 | |  |  | |  |  |  | | -3.484e-4\*\*\*  (3.81e-5) | -3.484e-4\*\*\*  (4.87e-5) |
|  | Stringency index | | 0.033  (0.065) | 0.033  (0.026) | | 0.033\*\*\*  (0.005) | 0.033  (0.030) | 0.033\*\*\*  (0.003) | | 0.011\*\*\*  (0.003) | 0.011\*\*\*  (0.003) |
|  | Origin | |  | -10.166\*\*\*  (0.189) | |  |  |  | |  |  |
|  | Random effects (variance) | Intercept (O) | |  |  | | 15.640 |  | 14.266 | | 14.266 | 14.392 |
|  | Time (O) | |  |  | |  | 0.219 | 0.036 | | 0.036 | 0.035 |
|  | Time\*\*2 (O) | |  |  | |  |  |  | |  | 6.86e-5 |
|  |  | AIC | | 4639.242 | 3627.187 | | 1935.421 | 3812.578 | 1145.112 | | 1069.254 | NA |
| RDI | Fixed effects (coefficients) | Intercept | | -1.522  (22.897) | -50.580\*\*\*  (0.765) | | -1.522  (23.139) | -1.522  (11.571) | -1.522  (23.114) | | -0.983  (23.116) | -0.998  (11.692) |
|  | Time | | 0.349\*\*  (0.166) | 0.349\*\*\*  (0.006) | | 0.359\*\*\*  (0.005) | 0.349  (0.150) | 0.349\*\*\*  (0.016) | | 0.356\*\*\*  (0.016) | 0.356\*\*\*  (0.028) |
|  | Time\*\*2 | |  |  | |  |  |  | | -1.152e-4  (5.62e-5) | -1.154e-4  (1.45e-4) |
|  | Stringency index | | 0.003  (0.213) | 0.003  (0.007) | | 0.003  (0.006) | 0.003  (0.108) | 0.003  (0.004) | | -4.115e-3  (0.005) | -0.004  (0.004) |
|  | Origin | |  | 49.058\*\*\*  (0.089) | |  |  |  | |  |  |
|  | Random effects (variance) | Intercept (O) | |  |  | | 40.063 |  | 40.030 | | 40.029 | 39.630 |
|  | Time (O) | |  |  | |  | 0.543 | 0.027 | | 0.027 | 0.060 |
|  | Time\*\*2 (O) | |  |  | |  |  |  | |  | 4.04e-4 |
|  |  | AIC | | 3411.100 | 1144.885 | | 1051.125 | 2975.876 | 743.864 | | 741.687 | NA |
| \* p<0.1, \*\* p<0.05, \*\*\* p<0.01 | | |  | | |  | | | |  | | |