**CHILE**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **OD categories** | | **Effects** | **Parameter** | **Model 1** | **Model 2** | **Model 3** | **Model 4** | **Model 5** |
| Density | | Fixed effects (coefficients) | Intercept | -46.47\*\*\*  (1.83) | -41.79\*\*\*  (1.70) | -46.95\*\*\*  (2.40) | -46.47\*\*\*  (1.67) | -46.83\*\*\*  (2.09) |
|  | | Time | 0.294\*\*\*  (0.013) | 0.294\*\*\*  (0.012) | 0.294\*\*\*  (0.011) | 0.29\*\*\*  (0.03) | 0.291\*\*\*  (0.014) |
|  | | Stringency index | -0.007  (0.017) | -0.007  (0.016) | -0.007  (0.015) | -0.007  (0.016) | -0.007  (0.015) |
|  | | Origin |  | -2.545\*\*\*  (0.115) |  |  |  |
|  | | Random effects (variance) | Intercept (O) |  |  | 15.23  (3.90) |  | 8.312  (2.883) |
|  | | Time (O) |  |  |  | 0.004  (0.061) | 0.0004  (0.0199) |
|  | |  | AIC | 19004.3 | 18557.2 | 18475.9 | 18545.1 | 18465.5 |
| RDI | | Fixed effects (coefficients) | Intercept | -36.52\*\*\*  (0.42) | -42.93\*\*\*  (3.65) | -34.60\*\*\*  (5.54) | -36.52\*\*\*  (3.84) | -34.17\*\*\*  (6.29) |
|  | | Time | 0.381\*\*\*  (0.029) | 0.381\*\*\*  (0.025) | 0.381\*\*\*  (0.025) | 0.406\*\*\*  (0.062) | 0.373\*\*\*  (0.031) |
|  | | Stringency index | 0.0009  (0.040) | 0.0009  (0.0341) | 0.0009  (0.0337) | 0.0009  (0.0361) | 0.0008  (0.0336) |
|  | | Origin |  | 8.235\*\*\*  (0.445) |  |  |  |
|  | | Random effects (variance) | Intercept (O) |  |  | 53.5  (7.3) |  | 80.06  (8.95) |
|  | | Time (O) |  |  |  | 0.009  (0.097) | 0.0010  (0.0316) |
|  | |  | AIC | 7469.4 | 7178.8 | 7169.3 | 7296.1 | 7166.8 |
|  | \* p<0.1, \*\* p<0.05, \*\*\* p<0.01 | | | | | | | |