**ARGENTINA**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Categories** | **Effects** | **Parameter** | | **Model 1** | **Model 2** | | **Model 3** | **Model 4** | **Model 5** | | **Model 6** | **Model 7** |
| Density | Fixed effects  (coefficients) | Intercept | | -25.564\*\*\*  (0.455) | -18.759\*\*\*  (0.252) | | -25.564\*\*\*  (0.243) | -25.564\*\*\*  (0.243) | -25.564\*\*\*  (2.188) | | -27.275\*\*\*  (2.191) | -27.175\*\*\*  (2.319) |
|  | Time | | 0.276\*\*\*  (0.007) | 0.276\*\*\*  (0.003) | | 0.276\*\*\*  (0.032) | 0.276\*\*\*  (0.032) | 0.276\*\*\*  (0.009) | | 0.370\*\*\*  (0.011) | 0.370\*\*\*  (0.015) |
|  | Time\*\*2 | |  |  | |  |  |  | | -8.566e-4\*\*\*  (5.75e-5) | -8.566e-4\*\*\*  (9.68e-5) |
|  | Origin | |  | -3.402\*\*\*  (0.073) | |  |  |  | |  |  |
|  | Random effects (variance) | Intercept (O) | |  |  | | 5.153 |  | 4.885 | | 4.887 | 5.174 |
|  | Time (O) | |  |  | |  | 0.072 | 0.019 | | 0.019 | 0.030 |
|  | Time\*\*2 (O) | |  |  | |  |  |  | |  | 1.75e-04 |
|  |  | AIC | | 3451.484 | 2571.489 | | 2152.069 | 2801.648 | 2095.239 | | 1915.564 | 1926.730 |
| RDI | Fixed effects (coefficients) | Intercept | | -12.125\*\*\*  (1.470) | -27.916\*\*\*  (0.511) | | -12.125  (7.771) | -12.125\*\*\*  (0.746) | -12.126  (7.733) | | -13.006  (NA) | -13.081\*  (7.230) |
|  | Time | | 0.281\*\*\*  (0.023) | 0.281\*\*\*  (0.007) | | 0.281\*\*\*  (0.002) | 0.281\*\*\*  (0.106) | 0.281\*\*\*  (0.002) | | 0.329  (NA) | 0.329\*\*\*  (0.020) |
|  | Time\*\*2 | |  |  | |  |  |  | | -4.41e-4 | -4.43e-4  (1.88e-4) |
|  | Origin | |  | 15.792\*\*\*  (0.268) | |  |  |  | |  |  |
|  | Random effects (variance) | Intercept (O) | |  |  | | 13.458 |  | 13.392 | | 13.391 | 14.089 |
|  | Time (O) | |  |  | |  | 0.183 | 0.001 | | 0.001 | 0.037 |
|  | Time\*\*2 (O) | |  |  | |  |  |  | |  | 3.52e-4 |
|  |  | AIC | | 2684.354 | 1875.722 | | 1016.238 | 2252.151 | 1019.785 | | 968.331 | NA |
| \* p<0.1, \*\* p<0.05, \*\*\* p<0.01 | | |  | | |  | | | |  | | |