**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 | | -40.088\*\*\*  (0.586) | -28.210\*\*\*  (0.570) | | -41.257\*\*\*  (4.429) | -40.086\*\*\*  (0.463) | -40.989\*\*\*  (3.429) | | -41.957  (NA) | -41.963\*\*\*  (3.486) |
|  | Time | | 0.384\*\*\*  (0.009) | 0.384\*\*\*  (0.007) | | 0.384\*\*\*  (0.007) | 0.367\*\*\*  (0.065) | 0.379\*\*\*  (0.020) | | 0.432  (NA) | 0.433\*\*\*  (0.032) |
|  | Time\*\*2 | |  |  | |  |  |  | | -4.842e-4  (NA) | -4.875e-4\*  (2.413e-4) |
|  | Origin | |  | -6.455\*\*\*  (0.171) | |  |  |  | |  |  |
|  | Random effects (variance) | Intercept (O) | |  |  | | 9.855 |  | 7.603 | | 7.602 | 7.656 |
|  | Time (O) | |  |  | |  | 0.144 | 0.041 | | 0.041 | 0.0378 |
|  | Time\*\*2 (O) | |  |  | |  |  |  | |  | 3.43e-5 |
|  |  | AIC | | 23108.334 | 21955.038 | | 21556.460 | 21826.702 | 21522.427 | | 21520.351 | NA |
| RDI | Fixed effects (coefficients) | Intercept | | 4.768\*\*  (2.381) | 5.521\*\*  (2.660) | | 3.823  (8.973) | 4.768\*\*  (2.240) | 3.893  (8.114) | | 4.309  (NA) | 3.437  (NA) |
|  | Time | | 0.398\*\*\*  (0.037) | 0.398\*\*\*  (0.037) | | 0.398  (0.035) | 0.381\*\*\*  (0.129) | 0.396\*\*\*  (0.038) | | 0.406  (NA) | 0.421  (NA) |
|  | Time\*\*2 | |  |  | |  |  |  | | -2.298e-4  (NA) | -2.298e-4  (NA) |
|  | Origin | |  | -0.633  (1.525) | |  |  |  | |  |  |
|  | Random effects (variance) | Intercept (O) | |  |  | | 15.055 |  | 13.515 | | 2.94e-29 | 13.516 |
|  | Time (O) | |  |  | |  | 0.214 | 0.028 | | 0.214 | 0.028 |
|  | Time\*\*2 (O) | |  |  | |  |  |  | |  | 2.74e-19 |
|  |  | AIC | | 10102.833 | 10104.662 | | 9962.274 | 9994.707 | 9965.673 | | NA | NA |
| \* p<0.1, \*\* p<0.05, \*\*\* p<0.01 | | |  | | |  | | | |  | | |