**COLOMBIA**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Categories** | **Effects** | **Parameter** | | **Model 1** | **Model 2** | | **Model 3** | **Model 4** | **Model 5** | | **Model 6** | **Model 7** |
| Density | Fixed effects  (coefficients) | Intercept | | -38.347\*\*\*  (0.720) | -28.949\*\*\*  (0.555) | | -38.347\*\*\*  (3.652) | -38.347\*\*\*  (0.511) | -38.348\*\*\*  (5.311) | | -39.321\*\*\*  (5.311) | -39.321\*\*\*  (5.405) |
|  | Time | | 0.128\*\*\*  (0.011) | 0.128\*\*\*  (0.007) | | 0.128\*\*\*  (0.003) | 0.128\*\*\*  (0.043) | 0.128\*\*\*  (0.033) | | 0.181\*\*\*  (0.034) | 0.181\*\*\*  (0.039) |
|  | Time\*\*2 | |  |  | |  |  |  | | -4.872e-4\*\*\*  (3.27e-5) | -4.872e-4\*\*\*  (6.68e-5) |
|  | Category | |  | -4.699\*\*\*  (0.161) | |  |  |  | |  |  |
|  | Random effects (variance) | Intercept (Cat) | |  |  | | 8.151 |  | 11.874 | | 11.875 | 12.086 |
|  | Time (Cat) | |  |  | |  | 0.094 | 0.075 | | 0.0748 | 0.086 |
|  | Time\*\*2 (Cat) | |  |  | |  |  |  | |  | 1.309e-4 |
|  |  | AIC | | 3961.781 | 3447.537 | | 2657.553 | 3606.974 | 1467.047 | | 1283.263 | 1276.988 |
| \* p<0.1, \*\* p<0.05, \*\*\* p<0.01 | | |  | | |  | | | |  | | |