**CHILE**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Categories** | **Effects** | **Parameter** | | **Model 1** | **Model 2** | | **Model 3** | **Model 4** | **Model 5** | | **Model 6** | **Model 7** |
| Density | Fixed effects  (coefficients) | Intercept | | -45.138\*\*\*  (0.991) | -34.435\*\*\*  (0.911) | | -45.138\*\*\*  (4.960) | -45.138\*\*\*  (0.654) | -45.138\*\*\*  (6.586) | | -45.400\*\*\*  (6.587) | -45.500  (NA) |
|  | Time | | 0.115\*\*\*  (0.016) | 0.115\*\*\*  (0.012) | | 0.115\*\*\*  (0.004) | 0.115\*  (0.065) | 0.115\*\*\*  (0.038) | | 0.136\*\*\*  (0.038) | 0.136  (NA) |
|  | Time\*\*2 | |  |  | |  |  |  | | -2.03e-4\*\*\*  (6.24e-5) | -2.03e-4  (NA) |
|  | Category | |  | -5.351\*\*\*  (0.264) | |  |  |  | |  |  |
|  | Random effects (variance) | Intercept (Cat) | |  |  | | 11.078 |  | 14.726 | | 14.726 | 14.762 |
|  | Time (Cat) | |  |  | |  | 0.142 | 0.084 | | 0.084 | 0.088 |
|  | Time\*\*2 (Cat) | |  |  | |  |  |  | |  | 5.79e-5 |
|  |  | AIC | | 4053.949 | 3753.068 | | 2621.566 | 3644.410 | 1752.940 | | 1744.463 | NA |
| \* p<0.1, \*\* p<0.05, \*\*\* p<0.01 | | |  | | |  | | | |  | | |