ARGENTINA

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| **OD categories** | **Effects** | **Parameter** | **Model 1** | **Model 2** | **Model 3** | **Model 4** | **Model 5** |
| Density | Fixed effects | Intercept | -25.7\*\*\*  (0.3) | -22.6\*\*\*  (0.3) | -26.0\*\*\*  (1.7) | -25.7\*\*\*  (0.3) | -26.1\*\*\*  (2.0) |
|  | Time | 0.2982\*\*\*  (0.005) | 0.298\*\*\*  (0.004) | 0.298\*\*\*  (0.004) | 0.30\*\*\*  (0.02) | 0.30\*\*\*  (0.01) |
|  | Origin |  | -1.51\*\*\*  (0.10) |  |  |  |
|  | Random effects (variance) | Intercept (O) |  |  | 13.5  (3.7) |  | 19.0  (4.4) |
|  | Time (O) |  |  |  | 0.002  (0.048) | 0.0006  (0.0249) |
|  |  | AIC | 18276.0 | 18060.6 | 17621.4 | 17840.0 | 17598.9 |
| RDI | Fixed effects (coefficients) | Intercept | -8.5\*\*\*  (1.2) | -14.9\*\*\*  (1.2) | -6.7\*  (4.0) | -8.5\*\*\*  (1.1) | -5.82  (5.85) |
|  | Time | 0.37\*\*\*  (0.02) | 0.37\*\*\*  (0.02) | 0.37\*\*\*  (0.02) | 0.39\*\*\*  (0.05) | 0.36\*\*\*  (0.04) |
|  | Origin |  | 8.3\*\*\*  (0.7) |  |  |  |
|  | Random effects (variance) | Intercept (O) |  |  | 44.0  (6.6) |  | 98.7  10.0 |
|  | Time (O) |  |  |  | 0.005  (0.073) | 0.003  (0.060) |
|  |  | AIC | 8682.5 | 8554.1 | 8568.3 | 8629.6 | 8561.6 |
| \* p<0.1, \*\* p<0.05, \*\*\* p<0.01 | | | | | | |  |

CHILE

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| **OD categories** | | **Effects** | **Parameter** | **Model 1** | **Model 2** | **Model 3** | **Model 4** | **Model 5** |
| Density | | Fixed effects (coefficients) | Intercept | -47.2\*\*\*  (0.3) | -42.6\*\*\*  (0.4) | -48.0\*\*\*  (2.0) | -47.2\*\*\*  (0.3) | -47.6\*\*\*  (1.0) |
|  | | Time | 0.299\*\*\*  (0.006) | 0.299\*\*\*  (0.005) | 0.299\*\*\*  (0.005) | 0.29\*\*\*  (0.03) | 0.296\*\*\*  (0.010) |
|  | | Origin |  | -2.55\*\*\*  (0.12) |  |  |  |
|  | | Random effects (variance) | Intercept (O) |  |  | 15.2  (4.0) |  | 8.3  (2.9) |
|  | | Time (O) |  |  |  | 0.004  (0.061) | 0.0004  (0.0199) |
|  | |  | AIC | 19002.5 | 18555.4 | 18474.1 | 18543.3 | 18463.7 |
| RDI | | Fixed effects (coefficients) | Intercept | -36.4\*\*\*  (0.8) | -42.8\*\*\*  (0.8) | -34.5\*\*\*  (4.0) | -36.4\*\*\*  (0.7) | -34.1\*\*\*  (5.2) |
|  | | Time | 0.38\*\*\*  (0.01) | 0.38\*\*\*  (0.01) | 0.38\*\*\*  (0.01) | 0.41\*\*\*  (0.06) | 0.37\*\*\*  (0.02) |
|  | | Origin |  | 8.2\*\*\*  (0.4) |  |  |  |
|  | | Random effects (variance) | Intercept (O) |  |  | 53.5  (7.0) |  | 8.0  (8.9) |
|  | | Time (O) |  |  |  | 0.009  (0.097) | 0.0010  (0.0316) |
|  | |  | AIC | 7467.4 | 7176.8 | 7167.3 | 7294.1 | 7164.8 |
|  | \* p<0.1, \*\* p<0.05, \*\*\* p<0.01 | | | | | | | |

COLOMBIA

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| **OD categories** | | **Effects** | **Parameter** | **Model 1** | **Model 2** | **Model 3** | **Model 4** | **Model 5** |
| Density | | Fixed effects (coefficients) | Intercept | -40.1\*\*\*  (0.6) | -28.2\*\*\*  (0.6) | -41.3\*\*\*  (4.0) | -40.1\*\*\*  (0.5) | -41.0\*\*\*  (3.4) |
|  | | Time | 0.384\*\*\* (0.009) | 0.384\*\*\*  (0.007) | 0.384\*\*\*  (0.007) | 0.37\*\*\*  (0.06) | 0.38\*\*\*  (0.02) |
|  | | Origin |  | -6.5\*\*\*  (0.2) |  |  |  |
|  | | Random effects (variance) | Intercept (O) |  |  | 97.0  (10.0) |  | 57.8  (7.6) |
|  | | Time (O) |  |  |  | 0.02  (0.14) | 0.002  (0.041) |
|  | |  | AIC | 23108.3 | 21955.0 | 21556.5 | 21826.7 | 21522.4 |
| RDI | | Fixed effects (coefficients) | Intercept | 4.8\*\*  (2.4) | 5.3\*\*  (2.7) | 3.82  (9.0) | 4.8\*\*  (2.2) | 3.9  (8.1) |
|  | | Time | 0.40\*\*\*  (0.04) | 0.40\*\*\*  (0.04) | 0.40\*\*\*  (0.03) | 0.40\*\*\*  (0.13) | 0.40\*\*\*  (0.04) |
|  | | Origin |  | -0.6  (1.5) |  |  |  |
|  | | Random effects (variance) | Intercept (O) |  |  | 226.7  (15.1) |  | 183  (14) |
|  | | Time (O) |  |  |  | 0.05  (0.21) | 0.0008  (0.0284) |
|  | |  | AIC | 10102.8 | 10104.7 | 9962.3 | 9994.7 | 9965.7 |
|  | \* p<0.1, \*\* p<0.05, \*\*\* p<0.01 | | | | | | | |