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| --- | --- | --- | --- | --- | --- |
| **Linear mixed effects model: Queens scaled distance to the entrance**  Formula: ScaledDist ~ Nest\*Density + Day + Corner + (1 | Colony ID) | | | | | |
| Random effects: | Name | Variance | Std. dev |  |  |
| Colony ID | (Intercept) | 0.003 | 0.058 |  |  |
| Residual |  | 0.022 | 0.148 |  |  |
| Fixed effects: | *β* a | *SE* b | *df* c | *t* d | *P* |
| (Intercept) | 0.192 | 0.024 | 32.108 | 8.170 | **<0.001** |
| Nest | 0.262 | 0.016 | 1162.085 | 16.772 | **<0.001** |
| Density | 0.000 | 0.030 | 21.403 | 0.008 | 0.994 |
| Corner | 0.071 | 0.014 | 1165.526 | 5.130 | **<0.001** |
| Day | -0.001 | 0.001 | 1158.258 | -0.760 | 0.448 |
| Nest\*Density | -0.003 | 0.018 | 1157.370 | -0.176 | 0.860 |
| Model Statistics: |  |  |  |  |  |
| Number of obs: 1178, groups: Colony ID, 20  Marginal *R*2 = 0.492, Conditional *R*2 = 0.564  a Coefficient  b Standard error  c Degrees of freedom  d T statistic | | | | | |