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| --- | --- | --- | --- | --- | --- |
| **Linear mixed effects model: Worker occurrence zone size**  Formula: Occur ~ Nest\*Density + (1 | Colony ID) + (1 | ColorID) | | | | | |
| Random effects: | Name | Variance | Std. dev |  |  |
| ColorID | (Intercept) | 0.051 | 0.225 |  |  |
| Colony ID | (Intercept) | 0.101 | 0.318 |  |  |
| Residual |  | 1.445 | 1.202 |  |  |
| Fixed effects: | *β* a | *SE* b | *df* c | *t* d | *P* |
| (Intercept) | 5.940 | 0.188 | 29.293 | 31.570 | **<0.001** |
| Nest | -0.079 | 0.212 | 306.206 | -0.371 | 0.711 |
| Density | 0.288 | 0.248 | 19.539 | 1.160 | 0.260 |
| Nest\*Density | -0.234 | 0.271 | 302.583 | -0.862 | 0.389 |
| Model Statistics: |  |  |  |  |  |
| Number of obs: 383, groups: Color ID, 288; Colony ID, 19  Marginal *R*2 = 0.015, Conditional *R*2 = 0.109  a Coefficient  b Standard error  c Degrees of freedom  d T statistic | | | | | |