|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Linear regression: Proportions of worker and simulated results**  Formula: PropWorker ~ poly(NestSect, degree = 2, raw = TRUE)\*Nest\*WorkerType\*Density + Corner | | | | |
| Coefficients | *β* a | *SE* b | *t* c | *P* |
| (Intercept) | 0.152 | 0.005 | 28.115 | **<0.001** |
| NestSect | -0.009 | 0.003 | -3.205 | **0.001** |
| NestSect2 | 0.000 | 0.000 | 1.661 | 0.097 |
| Nest | 0.141 | 0.008 | 18.603 | **<0.001** |
| WorkerType | -0.032 | 0.006 | -5.773 | **<0.001** |
| Density | 0.025 | 0.008 | 3.275 | **0.001** |
| Corner | 0.003 | 0.001 | 4.402 | **<0.001** |
| NestSect\*Nest | -0.046 | 0.004 | -11.776 | **<0.001** |
| NestSect2\*Nest | 0.002 | 0.000 | 5.888 | **<0.001** |
| NestSect\*WorkerType | 0.014 | 0.003 | 4.833 | **<0.001** |
| NestSect2\*WorkerType | -0.001 | 0.000 | -3.768 | **<0.001** |
| Nest\*WorkerType | -0.147 | 0.008 | -18.495 | **<0.001** |
| NestSect\*Density | -0.009 | 0.004 | -2.412 | **0.016** |
| NestSect2\*Density | 0.001 | 0.000 | 1.601 | 0.109 |
| Nest\*Density | -0.088 | 0.011 | -8.240 | **<0.001** |
| WorkerType\*Density | -0.001 | 0.008 | -0.120 | 0.904 |
| NestSect\*Nest\*WorkerType | 0.046 | 0.004 | 11.371 | **<0.001** |
| NestSect2\*Nest\*WorkerType | -0.002 | 0.000 | -5.385 | **<0.001** |
| NestSect\*Nest\*Density | 0.030 | 0.005 | 5.522 | **<0.001** |
| NestSect2\*Nest\*Density | -0.002 | 0.001 | -3.140 | **0.002** |
| NestSect\*WorkerType\*Density | -0.006 | 0.004 | -1.517 | 0.129 |
| NestSect2\*WorkerType\*Density | 0.001 | 0.000 | 2.553 | **0.011** |
| Nest\*WorkerType\*Density | 0.079 | 0.011 | 7.004 | **<0.001** |
| NestSect\*Nest\*WorkerType\*Density | -0.022 | 0.006 | -3.752 | **<0.001** |
| NestSect2\*Nest\*WorkerType\*Density | 0.001 | 0.001 | 1.138 | 0.255 |
| Model Statistics: |  |  |  |  |
| Number of obs: 35192  Residual standard error = 0.038; Degrees of freedom: 35167  Multiple *R*2 = 0.098; Adjusted *R*2 = 0.097  F(24, 35167) =158.8; *P <* 0.001  a Coefficient  b Standard error  c T statistic | | | | |