|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **M1: Species richness** | | **M2: Number of clients** | | **M3: Seconds inspected** | |
| *Predictors* | *Incidence Rate Ratios* | *CI (95%)* | *Incidence Rate Ratios* | *CI (95%)* | *Incidence Rate Ratios* | *CI (95%)* |
| Intercept (AM) | 9.67 | 7.96 – 11.58 | 28.08 | 21.69 – 36.20 | 320.99 | 248.01 – 418.37 |
| Noon | 1.05 | 0.86 – 1.28 | 0.84 | 0.64 – 1.09 | 0.86 | 0.63 – 1.19 |
| PM | 1.17 | 0.95 – 1.44 | 0.86 | 0.66 – 1.13 | 0.84 | 0.60 – 1.19 |
| **Random Effects** | | | | | | |
| σ2 | 7.31 | | 124.65 | | 7643.70 | |
| τ00 | 11.02 | | 101.18 | | 20303.93 | |
| ICC | 0.40 | | 0.56 | | 0.28 | |
| N | 19 station | | 19 station | | 19 station | |
| Observations | 53 | | 53 | | 53 | |
| Marginal R2 / Conditional R2 | 0.039 / 0.471 | | 0.029 / 0.528 | | 0.044 / 0.299 | |

**Supplemental Tables 2A-C:** Model outputs for comparisons of cleaning response variables (M1: client species richness, M2: client number, M3: seconds spent inspecting) across three time points (AM, noon, PM). Summary output contains Incidence Rate Ratios and their 95% credible intervals, as well as model outputs for random effects (A and B) and R2 estimates.

1. *Labroides dimidiatus*
2. *Labroides pectoralis*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **M1: Species richness** | | **M2: Number of clients** | | **M3: Seconds inspected** | |
| *Predictors* | *Incidence Rate Ratios* | *CI (95%)* | *Incidence Rate Ratios* | *CI (95%)* | *Incidence Rate Ratios* | *CI (95%)* |
| Intercept (AM) | 11.38 | 9.19 – 13.89 | 37.63 | 25.76 – 54.46 | 383.32 | 294.44 – 504.65 |
| Noon | 1.08 | 0.84 – 1.38 | 1.08 | 0.79 – 1.50 | 1.10 | 0.84 – 1.46 |
| PM | 0.93 | 0.72 – 1.21 | 0.78 | 0.56 – 1.09 | 1.16 | 0.88 – 1.54 |
| **Random Effects** | | | | | | |
| σ2 | 2.16 | | 192.13 | | 9331.76 | |
| τ00 | 12.24 | | 187.42 | | 15873.24 | |
| ICC | 0.15 | | 0.52 | | 0.38 | |
| N | 10 station | | 10 station | | 10 station | |
| Observations | 30 | | 30 | | 30 | |
| Marginal R2 / Conditional R2 | 0.082 / 0.244 | | 0.084 / 0.516 | | 0.070 / 0.490 | |

1. *Labroides bicolor*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **M1: Species richness** | | **M2: Number of clients** | | **M3: Seconds inspected** | |
| *Predictors* | *Incidence Rate Ratios* | *CI (95%)* | *Incidence Rate Ratios* | *CI (95%)* | *Incidence Rate Ratios* | *CI (95%)* |
| Intercept (AM) | 5.87 | 3.55 – 9.06 | 13.13 | 6.09 – 34.65 | 183.59 | 66.70 – 932.85 |
| Noon | 1.10 | 0.63 – 1.95 | 1.19 | 0.40 – 3.21 | 0.73 | 0.13 – 3.09 |
| PM | 1.25 | 0.61 – 2.51 | 2.32 | 0.63 – 9.46 | 1.78 | 0.26 – 20.05 |
| Observations | 11 | | 11 | | 11 | |
| R2 Bayes | 0.099 | | 0.296 | | 0.334 | |