Supplement

Gabriel Melo-Santo & Sam Walmsley

# iNEXT results: Low-frequency dataset

| Assemblage | asy\_0 | asy\_1 | asy\_2 | cmax\_q0 | cmax\_q1 | cmax\_q2 |
| --- | --- | --- | --- | --- | --- | --- |
| CA | 56.00 | 34.00 | 24.00 | 19.00 | 16.00 | 14.00 |
| CO | 92.00 | 55.00 | 39.00 | 32.00 | 27.00 | 23.00 |
| EC | 16.00 | 10.00 | 6.00 | 5.00 | 5.00 | 4.00 |
| JU | 17.00 | 6.00 | 3.00 | 3.00 | 2.00 | 2.00 |
| PE | 73.00 | 37.00 | 25.00 | 20.00 | 17.00 | 14.00 |
| CR | 419.00 | 145.00 | 41.00 | 132.00 | 76.00 | 36.00 |
| FG | 18.00 | 5.00 | 3.00 | 2.00 | 2.00 | 2.00 |
| IG | 128.00 | 64.00 | 38.00 | 41.00 | 33.00 | 26.00 |
| PA | 52.00 | 28.00 | 14.00 | 18.00 | 14.00 | 10.00 |
| PR | 34.00 | 19.00 | 12.00 | 11.00 | 9.00 | 8.00 |
| RN | 110.00 | 60.00 | 33.00 | 37.00 | 30.00 | 22.00 |
| SC | 69.00 | 21.00 | 14.00 | 11.00 | 9.00 | 8.00 |
| SE | 76.00 | 28.00 | 17.00 | 15.00 | 13.00 | 10.00 |
| SP | 40.00 | 23.00 | 18.00 | 14.00 | 12.00 | 10.00 |
| VZ | 199.00 | 56.00 | 15.00 | 57.00 | 29.00 | 14.00 |
| TO | 70.00 | 35.00 | 23.00 | 20.00 | 17.00 | 14.00 |

# iNEXT results: High-frequency dataset

| Assemblage | asy\_0 | asy\_1 | asy\_2 | cmax\_q0 | cmax\_q1 | cmax\_q2 |
| --- | --- | --- | --- | --- | --- | --- |
| CA | 72.00 | 38.00 | 25.00 | 24.00 | 20.00 | 16.00 |
| EC | 20.00 | 10.00 | 6.00 | 7.00 | 6.00 | 4.00 |
| JU | 24.00 | 7.00 | 3.00 | 5.00 | 4.00 | 3.00 |
| PE | 98.00 | 45.00 | 27.00 | 29.00 | 23.00 | 18.00 |
| CR | 410.00 | 159.00 | 49.00 | 176.00 | 98.00 | 43.00 |
| FG | 35.00 | 11.00 | 4.00 | 10.00 | 6.00 | 4.00 |
| IG | 242.00 | 115.00 | 54.00 | 96.00 | 65.00 | 43.00 |
| PA | 107.00 | 51.00 | 28.00 | 35.00 | 27.00 | 20.00 |
| PR | 69.00 | 35.00 | 21.00 | 23.00 | 18.00 | 15.00 |
| RN | 165.00 | 83.00 | 44.00 | 59.00 | 45.00 | 32.00 |
| SC | 193.00 | 45.00 | 28.00 | 25.00 | 21.00 | 18.00 |
| SE | 20.00 | 16.00 | 11.00 | 12.00 | 10.00 | 8.00 |
| SP | 57.00 | 40.00 | 30.00 | 27.00 | 23.00 | 19.00 |
| TO | 106.00 | 52.00 | 33.00 | 34.00 | 27.00 | 22.00 |

# Model 1 results

| Term | Estimate | *SE* | CI-Lower | CI-Upper |
| --- | --- | --- | --- | --- |
| Intercept | 9.02 | 3.07 | 3.41 | 15.59 |
| number.encounters.analyzed | 0.28 | 0.34 | -0.41 | 0.93 |

# Model 2 results

| Term | Estimate | *SE* | CI-Lower | CI-Upper |
| --- | --- | --- | --- | --- |
| Intercept | 8.93 | 3.57 | 2.04 | 16.34 |
| number.encounters.analyzed | 0.25 | 0.40 | -0.55 | 1.03 |

# Model 3 results

| Term | Estimate | *SE* | CI-Lower | CI-Upper |
| --- | --- | --- | --- | --- |
| Intercept | 13.33 | 4.90 | 3.34 | 23.11 |
| SpeciesSotaliaguianensis | 2.07 | 6.38 | -10.08 | 15.54 |

# Model 4 results

| Term | Estimate | *SE* | CI-Lower | CI-Upper |
| --- | --- | --- | --- | --- |
| Intercept | 10.98 | 3.92 | 3.07 | 18.57 |
| SpeciesSotaliaguianensis | 2.10 | 5.03 | -7.38 | 12.57 |

# Model 5 results

| Term | Estimate | *SE* | CI-Lower | CI-Upper |
| --- | --- | --- | --- | --- |
| Intercept | 15.41 | 3.62 | 8.76 | 23.04 |
| HabitatRiverine | -1.45 | 5.68 | -13.09 | 9.15 |

# Model 6 results

| Term | Estimate | *SE* | CI-Lower | CI-Upper |
| --- | --- | --- | --- | --- |
| Intercept | 13.22 | 2.70 | 8.16 | 18.73 |
| HabitatRiverine | -1.42 | 4.51 | -10.44 | 7.22 |

# Model 7 results

| Term | Estimate | *SE* | CI-Lower | CI-Upper |
| --- | --- | --- | --- | --- |
| Intercept | 11.30 | 3.26 | 5.06 | 18.01 |
| as.numericmedian\_group | 0.16 | 0.18 | -0.19 | 0.51 |

# Model 8 results

| Term | Estimate | *SE* | CI-Lower | CI-Upper |
| --- | --- | --- | --- | --- |
| Intercept | 9.76 | 2.55 | 4.82 | 14.95 |
| as.numericmedian\_group | 0.14 | 0.12 | -0.11 | 0.38 |