a)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |
| **Model** | **Df** | **logLik** | **AICc** | **Δ AICc** | **AICcwt** |
| Region + Snare + Forest Size | 7 | -519.38 | 1052.85 | 0 | 0.15 |
| Region + Snare + Village Size | 7 | -519.75 | 1053.6 | 0.75 | 0.11 |
| **Region + Snare** | **6** | **-520.96** | **1053.99** | **1.14** | **0.09** |
| Region + River + Snare | 7 | -519.95 | 1054 | 1.15 | 0.09 |
| Region + Forest Size + Village Size | 7 | -520.24 | 1054.58 | 1.73 | 0.06 |
| Region + Forest Size | 6 | -521.54 | 1055.16 | 2.31 | 0.05 |
| Region + Village Size | 6 | -521.61 | 1055.29 | 2.44 | 0.05 |
|  |  |  |  |  |  |
| b) |  |  |  |  |  |
| **Variables** | **Estimate** | **Std. Error** | **z value** | **Pr (>|z|)** |  |
| (Intercept) | -1.3786 | 0.3172 | -4.347 | 1.38e-05 \*\*\* |  |
| Menabe Region | 0.4549 | 0.4535 | 1.003 | 0.3158 |  |
| Moramanga Region | -1.2513 | 0.4762 | -2.628 | 0.0086 \*\* |  |
| Vatovavy-Fitovinany Region | -1.958 | 0.6621 | -2.958 | 0.0031 \*\* |  |
| Snare (Yes) | 0.8333 | 0.3993 | 2.087 | 0.0369 \* |  |
|  |  |  |  |  |  |