**APÉNDICE 1**

Área de estudio en el oeste del Amazonas brasilero

**APPENDIX 1**

Study area located west in the Brazilian Amazon



**APÉNDICE 2**

Valores de correlación entre la abundancia por especie de murciélago y la fase iluminada de la luna

**APPENDIX 2**

Correlation values between abundance by bat species and the illuminated phase of the moon

|  |  |  |  |
| --- | --- | --- | --- |
| **Especie** | **Gremio** | **Coef. de correlación** | **p-value** |
| *Artibeus concolor* Peters 1865 | FEAC | 0.04 | 0.73 |
| *Artibeus lituratus* (Olfers 1818) | FEAC | 0.15 | 0.25 |
| *Artibeus obscurus* Schinz 1821 | FEAC | 0.00 | 0.99 |
| *Artibeus planirostris* (Spix 1823) | FEAC | 0.16 | 0.23 |
| *Carollia benkeithi* Solari y Baker 2006 | FEAC | -0.03 | 0.80 |
| *Carollia brevicauda* (Schinz 1821) | FEAC | -0.25 | 0.06 |
| *Carollia perspicillata* (Linnaeus 1758) | FEAC | -0.26 | **0.05\*** |
| *Chiroderma villosum* Peters 1860 | FEAC | 0.04 | 0.74 |
| *Choeroniscus minor* (Peters 1868) | NEAC | -0.22 | 0.10 |
| *Chrotopterus auritus* (Peters 1856) | CEAC | -0.05 | 0.71 |
| *Dermanura anderseni* (Osgood 1926) | FEAC | -0.08 | 0.54 |
| *Dermanura cinerea*  Gervais 1856 | FEAC | 0.28 | **0.03\*** |
| *Dermanura gnoma* (Handley 1987) | FEAC | 0.33 | **0.01\*** |
| *Desmodus rotundus* (É. Geoffroy 1810) | S | 0.00 | 0.94 |
| *Diphylla ecaudata* Spix 1823 | S | 0.03 | 0.82 |
| *Glossophaga longirostris* Miller 1898 | O | -0.17 | 0.21 |
| *Glossophaga soricina* (Pallas 1776) | O | -0.22 | 0.10 |
| *Glyphonycteris daviesi* (Hill 1964) | IAEAC | 0.25 | 0.06 |
| *Glyphonycteris silvestris* Thomas 1896 | IAEAC | -0.09 | 0.48 |
| *Lampronycteris brachyotis* (Dobson 1879) | CEAC | 0.25 | 0.06 |
| *Lichonycteris degener* (Miller 1831) | NEAC | 0.15 | 0.28 |
| *Lonchophylla thomasi* Allen 1904 | NEAC | -0.16 | 0.24 |
| *Lophostoma brasiliense* (Peters 1866) | CEAC | -0.14 | 0.28 |
| *Lophostoma silvicolum* d´Orbigny 1836 | CEAC | 0.05 | 0.67 |
| *Lyonycteris spurrelli* Thomas 1913 | NEAC | -0.16 | 0.23 |
| *Mesophylla macconnellii* Thomas 1901 | FEAC | 0.32 | **0.01\*** |
| *Micronycteris hirsuta* (Peters 1869) | CEAC | -0.23 | 0.09 |
| *Micronycteris megalotis* (Gray 1842) | CEAC | 0.18 | 0.17 |
| *Micronycteris microstis* Miller 1898 | IPEAC | -0.07 | 0.60 |
| *Micronycteris schmidtorum* Sanborn 1935 | IPEAC | 0.21 | 0.11 |
| *Mimon bennettii* (Gray 1838) | CEAC | 0.01 | 0.92 |
| *Mimon crenulatum* (É. Geoffroy 1810) | CEAC | 0.00 | 0.95 |
| *Myotis nigricans* (Schinz 1821) | IAEC | 0.22 | 0.10 |
| *Myotis riparius* Handley 1960 | IAEC | 0.04 | 0.73 |
| *Natalus spiritosantensis* Ruschi 1951 | IAEC | -0.10 | 0.43 |
| *Phylloderma stenops* Peters 1865 | FEAC | 0.03 | 0.82 |
| *Phyllostomus discolor* Wagner 1843 | O | -0.16 | 0.23 |
| *Phyllostomus elongatus* (É. Geoffroy 1810) | O | 0.02 | 0.83 |
| *Phyllostomus hastatus* (Pallas 1767) | CEAC | -0.08 | 0.53 |
| *Platyrrhinus brachycephalus* (Rouk y Carter 1972) | FEAC | -0.05 | 0.67 |
| *Platyrrhinus incarum* (Thomas 1912) | FEAC | 0.23 | 0.09 |
| *Pteronotus parnellii* Gray 1843 | IAEAC | -0.11 | 0.40 |
| *Rhynchonycteris naso* (Wied-Neuwied 1820) | IAEC | -0.17 | 0.21 |
| *Rhynophylla fischerae* Carter 1966 | FEAC | 0.05 | 0.67 |
| *Rhynophylla pumilio* Peters 1865 | FEAC | 0.27 | **0.05\*** |
| *Saccopteryx bilineata* (Temminck 1838) | IAEC | -0.15 | 0.26 |
| *Saccopteryx leptura* (Schreber 1774) | IAEC | 0.07 | 0.57 |
| *Sturnira lilium* (É. Geoffroy 1810) | FEAC | 0.14 | 0.29 |
| *Sturnira tildae* de la Torre 1959 | FEAC | 0.00 | 0.97 |
| *Thyroptera discifera* (Lichtenstein y Peters 1855) | IAEC | 0.08 | 0.53 |
| *Thyroptera tricolor* Spix 1823 | IEC | -0.06 | 0.62 |
| *Tonatia saurophila* Koopman y Williams 1951 | IPEAC | -0.13 | 0.34 |
| *Trachops cirrhosus* (Spix 1823) | CEAC | -0.07 | 0.58 |
| *Trinycteris nicefori* Sanborn 1949 | FEAC | 0.18 | 0.18 |
| *Uroderma bilobatum* Peters 1866 | FEAC | 0.18 | 0.18 |
| *Uroderma magnirostrum* Davis 1968 | FEAC | 0.16 | 0.24 |
| *Vampyressa thyone* Thomas 1909 | FEAC | 0.21 | 0.11 |
| *Vampyriscus bidens* (Dobson 1878) | FEAC | 0.26 | **0.05\*** |

FEAC= frugívoros aéreos de espacio altamente cerrado, NEAC = nectarívoros de espacios altamente cerrado, C = carnívoros de espacio altamente cerrado, S = sanguinívoro, IPEAC = insectívoros de presas posadas en espacio altamente cerrado, IAEC = insectívoros aéreos de espacio cerrado. \* = valores significativos con un p ≤ 0.05.

FEAC = Highly cluttered space/gleaning frugivore, NEAC = Highly cluttered space/gleaning nectarivore, C = Highly cluttered space/gleaning carnivore, S = Sanguinivore, IPEAC = Highly cluttered space/gleaning insectivore, IAEC = Cluttered space/aerial insectivore. \* = significant values with a p ≤ 0.05.

**APÉNDICE 3**

Coeficientes del modelo 1: M1 = Abundancia ~ Temperatura mínima + Humedad relativa

**APPENDIX 3**

Model 1 Coefficients: M1 = Abundance ~ Minimum temperature + Relative humidity

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Estimado** | **Error estándar** | **z-value** | **p-value** |
| Intercepto | 3.71 | 0.37 | 9.87 | 0.00 |
| Temperatura mínima (°C) | -0.02 | 0.01 | -2.05 | 0.04 |
| Humedad relativa (%) | 0.01 | 0.00 | 2.61 | 0.00 |

**APÉNDICE 4**

Relación entre las abundancias para cada especie de murciélago y el porcentaje de fase iluminada de la luna

**APPENDIX 4**

Relationship between the abundances of each bat species and the percentage of illuminated phase of the moon







