GROUPING RESULTS

$Logging

effect groups

Mammal 0.00954564 a

Bird -0.14047204 a

SE

0.185 mammal

0.199 bird

$`Natural Disturbance`

effect groups

Bird 0.3009714 a

Mammal -0.4531004 a

SE

0.4025745 bird

0.2527533 Mammal

<https://www.sciencedirect.com/science/article/pii/S0378112706003215>

bird respond to disturbance quicker ?

Logging, natural disturbance

BIRD VS MAMMAL

Insights:

* Logging
  + Mammals basically neutral, slightly positive
  + Birds negative
* Distance to road
  + Mammals basically neutral, slightly neg (closer)
  + Birds negative – closer

| **vars**  <chr> | **pvals**  <dbl> |  |  |  |
| --- | --- | --- | --- | --- |
| Intercept | 0.05035786 |  |  |  |
| Logging | 0.61429263 |  |  |  |
| Distance to Roads | 0.18818710 |  |  |  |
| Mean Biomass | 0.02495296 |  |  |  |
| Distance to Streams | 0.19297540 |  |  |  |
| NDVI | 0.31630557 |  |  |  |
| Season | 0.10796341 |  |  |  |
| Natural Disturbance | 0.10935941 |  |  |  |
| Site | 0.05678638 |  |  |  |

9 rows

$Intercept

effect groups

Mammal -0.2363756 a

Bird -2.1666089 a

$Logging

effect groups

Mammal 0.00954564 a

Bird -0.14047204 a

SE

0.185 mammal

0.199 bird

$`Distance to Roads`

effect groups

Mammal -0.0008684939 a

Bird -0.3646054879 a

0.1577379 Bird

0.1756599 Mammal

$`Mean Biomass`

effect groups

Bird 0.02539448 a

Mammal -0.72068184 b

$`Distance to Streams`

effect groups

Mammal -0.1353271 a

Bird -0.3708979 a

$NDVI

effect groups

Bird -0.3290571 a

Mammal -0.5854630 a

$Season

effect groups

Mammal 0.08553223 a

Bird -0.37610478 a

$`Natural Disturbance`

effect groups

Bird 0.3009714 a

Mammal -0.4531004 a

SE

0.4025745 bird

0.2527533 Mammal

$Site

effect groups

Mammal 3.151580 a

Bird 2.231235 a

SPECIES OF CONCERN?

| **vars**  <chr> | **pvals**  <dbl> |  |  |  |
| --- | --- | --- | --- | --- |
| Intercept | 0.008583305 |  |  |  |
| Logging | 0.857995127 |  |  |  |
| Distance to Roads | 0.641681329 |  |  |  |
| Mean Biomass | 0.044625782 |  |  |  |
| Distance to Streams | 0.291931337 |  |  |  |
| NDVI | 0.121837686 |  |  |  |
| Season | 0.296392427 |  |  |  |
| Natural Disturbance | 0.920030908 |  |  |  |
| Site | 0.104895514 |  |  |  |

$Intercept

$groups

effect groups

Y 0.6069945 a

N -1.8492382 b

$Logging

$groups

effect groups

Y -0.01025539 a

N -0.06246366 a

$`Distance to Roads`

$groups

effect groups

Y -0.04812176 a

N -0.17593726 a

$`Mean Biomass`

$groups

effect groups

N -0.2085068 a

Y -0.8686933 b

$`Distance to Streams`

$groups

effect groups

Y -0.1013986 a

N -0.2890410 a

$NDVI

$groups

effect groups

N -0.3499845 a

Y -0.7314633 a

$Season

$groups

effect groups

Y 0.1090591 a

N -0.1888429 a

$`Natural Disturbance`

$groups

effect groups

Y -0.1628428 a

N -0.2103460 a

$Site

$groups

effect groups

Y 3.309389 a

N 2.535255 a