GROUPING RESULTS

Significant results:

By Guild

MEAN BIOMASS

effect groups

Generalist 0.42514100 a

Insectivore 0.18116474 a

Bird 0.02539448 a

Frugivore -0.50765301 ab

Ungulate -0.88452570 ab

Carnivore -1.06070662 ab

SEASON

effect groups

Frugivore 1.1352819 a

Ungulate 0.4118971 ab

Carnivore -0.1256865 ab

Generalist -0.3240342 ab

Bird -0.3761048 b

Insectivore -0.5672889 b

By Type

MEAN BIOMASS

effect groups

Bird 0.02539448 a

Mammal -0.72068184 b

By Species of concern

MEAN BIOMASS

effect groups

N -0.2085068 a

Y -0.8686933 b

All grouping results:

GUILD

Main results:

* Logging (not statistically sig)
  + Carnivore and generalists positive (MAKES SENSE)
  + Birds, ungulates, insectivores, frugivores negative
* Distance to roads
  + Ungulate positive -> makes sense deer by road
  + Frugivore natural
  + Rest neg – bird strongest neg
* Mean biomass SIGNIFICANT
* Nat disturbance
  + Frugivore, bird, insectivore positive effect -> are these the first to colonize
  + Why generalist so effected?
* Distance to streams
  + Most want to be closer to
* Season idk what is positive or neg

$Logging

$groups

effect groups

Carnivore 0.3744882 a

Generalist 0.3311987 a

Bird -0.1404720 a

Ungulate -0.3020863 a

Insectivore -0.3685406 a

Frugivore -0.6097011 a

$`Distance to Roads`

$groups

effect groups

Ungulate 0.35373043 a

Frugivore 0.00496354 a

Generalist -0.06168396 a

Carnivore -0.12394574 a

Insectivore -0.19318168 a

Bird -0.36460549 a

$`Mean Biomass`

$groups

effect groups

Generalist 0.42514100 a

Insectivore 0.18116474 a

Bird 0.02539448 a

Frugivore -0.50765301 ab

Ungulate -0.88452570 ab

Carnivore -1.06070662 ab

$`Distance to Streams`

$groups

effect groups

Ungulate 0.06543364 a

Insectivore -0.02704053 a

Carnivore -0.19599900 a

Frugivore -0.26318387 a

Bird -0.37089793 a

Generalist -0.41385421 a

$NDVI

$groups

effect groups

Frugivore 0.02242861 a

Insectivore -0.23319010 a

Bird -0.32905711 a

Ungulate -0.62756368 a

Carnivore -0.69592993 a

Generalist -1.45365329 a

$Season

$groups

effect groups

Frugivore 1.1352819 a

Ungulate 0.4118971 ab

Carnivore -0.1256865 ab

Generalist -0.3240342 ab

Bird -0.3761048 b

Insectivore -0.5672889 b

$`Natural Disturbance`

$groups

effect groups

Frugivore 0.4560395 a

Bird 0.3009714 a

Insectivore 0.1660639 a

Ungulate -0.5243011 a

Carnivore -0.6403495 a

Generalist -1.7269127 a

$Site

$groups

effect groups

Frugivore 4.333945 a

Generalist 4.303861 a

Carnivore 3.166731 a

Ungulate 2.970465 a

Bird 2.231235 a

Insectivore 1.694697 a

OTHER WAY POSSIBLY THE RIGHT WAY

Grouping by guild too small sample size for certain categories

Insights:

* Mammals
  + Positive relationship to season and logging – logging close to zero
  + Closer to roads, close to zero
  + Closer to streams
  + Far from natural disturbance
  + Less mean biomass
  + Less NDVI
* Birds
* ????

$Mammal

$groups

effect groups

Site 3.1515795266 a

Season 0.0855322339 b

Logging 0.0095456397 b

Distance to Roads -0.0008684939 b

Distance to Streams -0.1353270853 b

Intercept -0.2363756426 b

Natural Disturbance -0.4531003845 b

NDVI -0.5854629663 b

Mean Biomass -0.7206818427 b

$Bird

$groups

effect groups

Site 2.23123500 a

Natural Disturbance 0.30097141 b

Mean Biomass 0.02539448 b

Logging -0.14047204 b

NDVI -0.32905711 bc

Distance to Roads -0.36460549 bc

Distance to Streams -0.37089793 bc

Season -0.37610478 bc

Intercept -2.16660894 c