

Supplementary material

First record of *Tropicosa thorelli* (Araneae: Lycosidae) attacking the dragonfly *Rhionaeschna marchali* (Odonata: Aeshnidae)

Fredy Palacino-Rodríguez  ^{a,b}, Diego Andrés Palacino-Penagos ^b

^a Sección Etología, Facultad de Ciencias, Universidad de la República, Uruguay

^b Grupo de Investigación en Odonatos y otros Artrópodos de Colombia y el Neotrópico, Colombia

S1. R script used to analyze the effects of temperature, perch height, and time of day on the duration of attacks of *Tropicosa thorelli* on *Rhionaeschna marchali* at Club Náutico El Muña, using Generalized Linear Models (GLMs).

```
setwd("C:/temp/Arañas y Libelulas")
```

```
Araylib<- read.csv2("Araylib.csv")
```

```
data<-Araylib
```

```
data<-as.data.frame(data)
```

```
Araylib
```

```
summary(Araylib)
```

```
data
```

```
attach(Araylib)
```

```
names(Araylib)
```

```
dim(Araylib)
```

```
library(stats)
```

```
library(glmmTMB)
```

```
library(ggplot2)
```

```
library(lme4)
```

```
library(scales)
```

```
library(nlme)
```

library(caret)
library(gridExtra)
library(MuMIn)
library(car)
library(multcomp)
library(gmodels)
library(spdep)
library(ncf)
library(ade4)
library(gstat)
library(geoR)
library(sp)
library(Hmisc)
library(nlme)
library(ade4)
library(lattice)
library(Matrix)
library(nlme)
library(multcomp)
library(mvtnorm)
library(survival)
library(splines)
library(TH.data)
library(tidyverse)
library(effectsize)
library(readxl)
library(broom)
library(emmeans)
library(MuMIn)

```
MoF1<-glm(Duration~Perch+Time+Temperature
```

```
  ,data= Araylib)
```

```
MoF1
```

```
summary(MoF1)
```

```
anova(MoF1)
```

```
MoF2<-glm(Duration~Perch+Time
```

```
  ,data= Araylib)
```

```
MoF2
```

```
summary(MoF2)
```

```
anova(MoF2)
```

```
MoF3<-glm(Duration~Perch+Temperature
```

```
  ,data= Araylib)
```

```
MoF3
```

```
summary(MoF3)
```

```
anova(MoF3)
```

```
MoF4<-glm(Duration~Time+Temperature
```

```
  ,data= Araylib)
```

```
MoF4
```

```
summary(MoF4)
```

```
anova(MoF4)
```

```
MoF5<-glm(Duration~Perch
```

```
  ,data= Araylib)
```

```
MoF5
```

```
summary(MoF5)
```

```
anova(MoF5)
```

```
MoF6<-glm(Duration~Time
```

```
  ,data= Araylib)
```

```
MoF6
```

```
summary(MoF6)
```

```
anova(MoF6)
```

```
MoF7<-glm(Duration~Temperature
```

```
  ,data= Araylib)
```

```
MoF7
```

```
summary(MoF7)
```

```
anova(MoF7)
```

```
anova(MoF1,MoF2,MoF3,MoF4,MoF5,MoF6,MoF7)
```

```
AICc(MoF1,MoF2,MoF3,MoF4,MoF5,MoF6,MoF7)
```