10/14/2023

Agreagar lat and log to the bat2021\_v2 data base.

Then calculate the predictos matrix for the population analysis section.

10/15/2023

I tried copying the lat and log but there seems to be a problem as points are not plotting properly. There might be problems with the coordinates. Update: I tried again and the elevatr package loaded and worked. However I didn’t displayed any elevation.   
I tried the package raster and plotted the DEM for Idaho and was able to obtain elevation for each site.

For the population analysis I want to include moon phase, moon illumination, elevation, riparian veg.

The riparian vegetation I will calculate with the NDVI. Unfortunately, is not working as it is. I am using a code that is in the cleanup script. ChatGPT help me generate it but still not working well.

11/17/2023

Per recommendation of Jen I created the matrix lano\_js that should be use to run the model in the script pop\_model. We will be using just a single species data set for testing right now. To the file lano\_js we remove last week and the site column. We also made 0 data because we didn’t wanted.

I just noticed that when I write a file with the write.csv function there’s a there’s a new index column created that has a number for each row. How to prevent this?

write.csv(iris, file = "iris.csv", row.names = FALSE)

you have to set the row.names=false argument.

11/20/2023  
I ran the data work but got an error anyway.

urn-in + Update 1 (30000)Error in checkForRemoteErrors(val) :

5 nodes produced errors; first error:

Error parsing model file:

syntax error on line 44 near "}"

I think there’s something wrong with the model when we feed it to JAGS.