**R-Scripts**

1. **Bat data**
   1. Tadraida.output.R:
      1. get the "real" time
      2. add unique ID
      3. select the species with the highest probability
      4. filter noise + higehts propability
   2. newFull\_joinbdf.R
      1. remove the unnecessary columns
      2. delete harmonics
      3. gives the calls per minute and creates a new column for every species, and only one row per minute
2. **bat + insect data**
   1. newFull\_joinbdf.R
      1. remove the unnecessary columns
      2. delete harmonics
      3. gives the calls per minute and creates a new column for every species, and only one row per minute
      4. **mutate the two dataframes and replace NA as 0 counts.**
      5. **min after sunset and days after august**
      6. **batdata-audiomoths working 🡪 not all devices on one location worked, this creates the mean of the data from one location**
      7. **insectdata-cameras working**
      8. **swarmdata-cameras working**
      9. **create minutes after sunset**
      10. **create days after august**
3. **insect data**
   1. gettimestamps.R
      1. add timestamps for photos
      2. add uniqueID
      3. add insect swarm
      4. separate meadow/platform
      5. code for different plots

bdf.final.csv = last version of the data frame from 2020

1. GAMbat.R, GAMswarm.R, GAMinsect.R
   1. GAMs and Model testing