**Trail Cameras/Camera Trasp Lesson**

**Module 5: Reflection & Synthesis**

1. What mammal species was captured the most, the least? Why do you think that?
2. Formulate a research question that can be answered by the trail camera observations. Make certain it is framed in terms of the data the cameras collected and from one of the graphs you created: such as diversity (species seen), abundance (number of individuals), time (hour, day/night, lunar phase), or environment (temperature, vegetation around camera, etc.).
   * *Example: Are more mammals seen during the day or at night?*
3. A hypothesis is an educated guess that answers your research question.
   1. What is your hypothesis?
      * *Example: More mammals will be seen during the day (6:00 am to 6:00 pm) than at night (7:00 pm to 5:00 am).*
   2. Explain your hypothesis. What factors contributed to you formulating your hypothesis?
4. Analyze your data and summarize your findings below.
5. Did your data and graphs support or dispute your hypothesis? How can you tell?
6. If you could design your own follow-up study to the research you did today, including setting your own cameras wherever you would like, how would you design your research? What would your new research question and hypothesis be, and how would you design your study?