2023 – 570L Week 1 Worksheet:

In-lab activities (10 points):

1. Record your metadata

   Observation location:
   Weather:
   Time:
   Notes:

2. Observe a squirrel for about 15 minutes. Record the different behaviors that the squirrel does in that time. Think also, are there any other activities you might expect this squirrel to do that you didn't observe in the 15 minutes. Write these actions as a list.

3. Assign each of your above activities into common categories. When doing behavioral ecology, it is critically important to clearly define actions and behaviors of your study organism.

Category	Action	Time spent

Completion Activities:

1. Experiment Results (30 points):
   a. What was the hypothesis for this activity (2.5)?

   b. What data were collected in this activity? List all explanatory and response variables and what types of data (categorical, continuous, count, rate, etc.) (2.5):

   c. Create a figure which shows your key results (10):

   d. Report the key results in a short statement here. Utilize appropriate statistical analyses. (10):

   e. Make a short statement about how well these results support the original hypothesis (10)

2. Experimental Evaluation (10 points):
   a. Do you think this experiment effectively addressed the hypothesis? What could have been done better? How would you better approach this activity if you were to do it again:

3. Ecosystem Observation:
   Write at least 5 ecological questions about the ecosystem or study topic we addressed today. Questions can be broad and across any topic however, they should be focused on ecological topics: