**Ground Spider Abundance and Diversity Sampling**

**Summer 2023**

**Reflection and Synthesis**

1. Describe the scatter plot with the highest correlation co-efficient among your variables. Do this by elaborating on this r value as well the slope of the fit line.
2. Did this influence the variable chosen by the class to further evaluate?
3. What was the null and alternative hypothesis of this exercise, based on the variable that your class decided to test.

**Null Hypothesis (H0):**

**Alternative Hypothesis (HA):**

1. What do the standard error bars represent and was this a good use of standard error? Why or why not?
2. Was your data statistically significant? How do you know? Why do you believe you received this result?
3. Is there anything that may have made this experimental design more statistically viable? How would you change this if you were to expand the study?