**Armor vs. Predation Risk Worksheet**

**In class exercise:** does Armor Thickness influence Predation risk

In class, we have previously covered loading .csv files in pandas, making scatterplots, and running simple linear regressions in statsmodels.py

Now I’d like you to try this out.

**Step 1.** Load the armor\_thickness\_vs\_predation.csv file into pandas (you can use the read\_csv function)

**Step 2.** Make a scatterplot of armor vs. predation success using matplotlib.

**Step 3.** Based on your plot, do you think armor and predation risk are correlated? If you had to guess a number between 1-100, how confident would you say you are that they are correlated?

**Step 4.** Try using the statsmodels formula api to test if armor and predation success are correlated.

**Step 5.** Discuss with your group your conclusions. Write a few sentences describing the result as you would in a paper. What information is important to include about the regression do you think? What does each piece of information mean?

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