Unveiling Lizard Evolution:
Graphical Insights into Behavioral Ecology in the Era of Climate Change

Student Worksheet

Think-Pair-Share: Habitat and Microhabitat

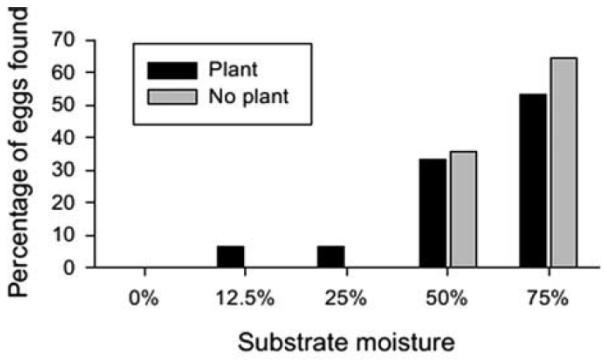
- ***Think:*** spend 1 minute thinking about and writing down examples of microhabitats
- ***Pair:*** spend 1 minute talking to your neighbor about examples and benefits
- ***Share:*** communicate an example to the class

Discussion Question 1

With your neighbors, discuss this mystery graph!

- Describe the trend of the data.

- What research question could be answered by this graph? What do you think these data represent?



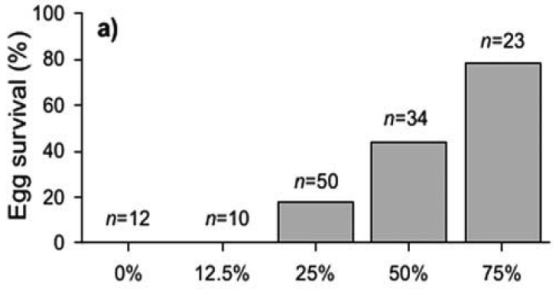
Discussion Question 2

With your neighbors, answer these questions:

- Name a title.

- Make a conclusion from this figure.

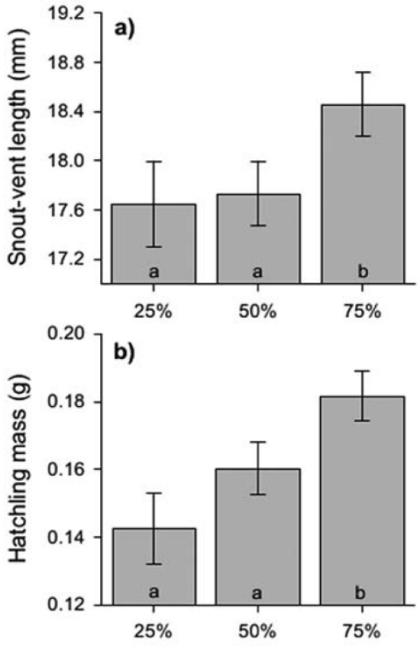
- Explain how the data supports your conclusion.



- How does the lizard population respond or adapt to extreme climate events through the nest-site choice?

Discussion Question 3

- What does this graph show?



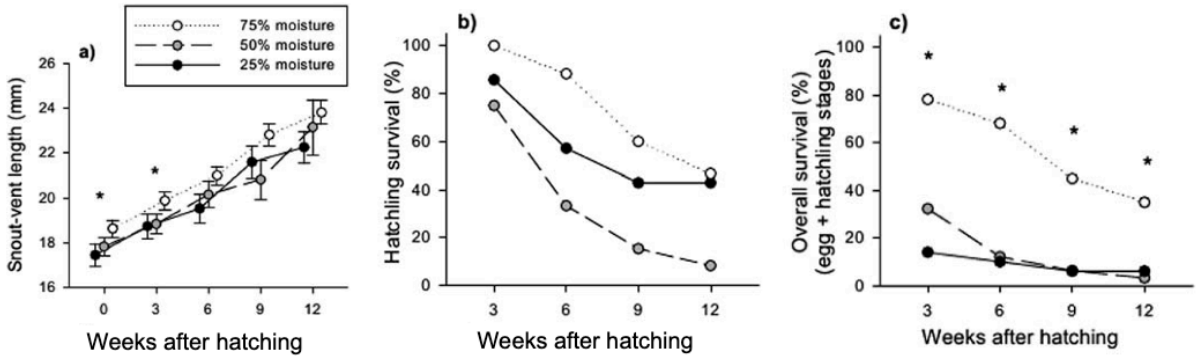
The Next Research Question: Discussion 4

Given data from hatchling's morphological measurements, what could be the next research question for the authors to ask?

A. *How is hatchling's survival rate different ?*
B. *How is hatchling's development different?*
C. *How do hatchlings find home?*
D. *What do different hatchling diets look like?*

Discussion Question 5

Use three sentences to summarize what you can observe. One sentence for each graph.



What's the significance of these findings?

Microhabitat Reviews:

- What specific microhabitat conditions did the authors use as independent variables in the experiment?
- Why are microhabitats important to species evolution?
- How does climate change affect microhabitats?

Discussion Question 6

With your neighbors, brainstorm ideas:

- What questions do you have about Dr. Warner's path to this work, or where he is today?