1 Million Turtles
COMMUNITY CONSERVATION PROGRAM

Term 2, Lesson 7

Uploading NNPS Data to TurtleSAT
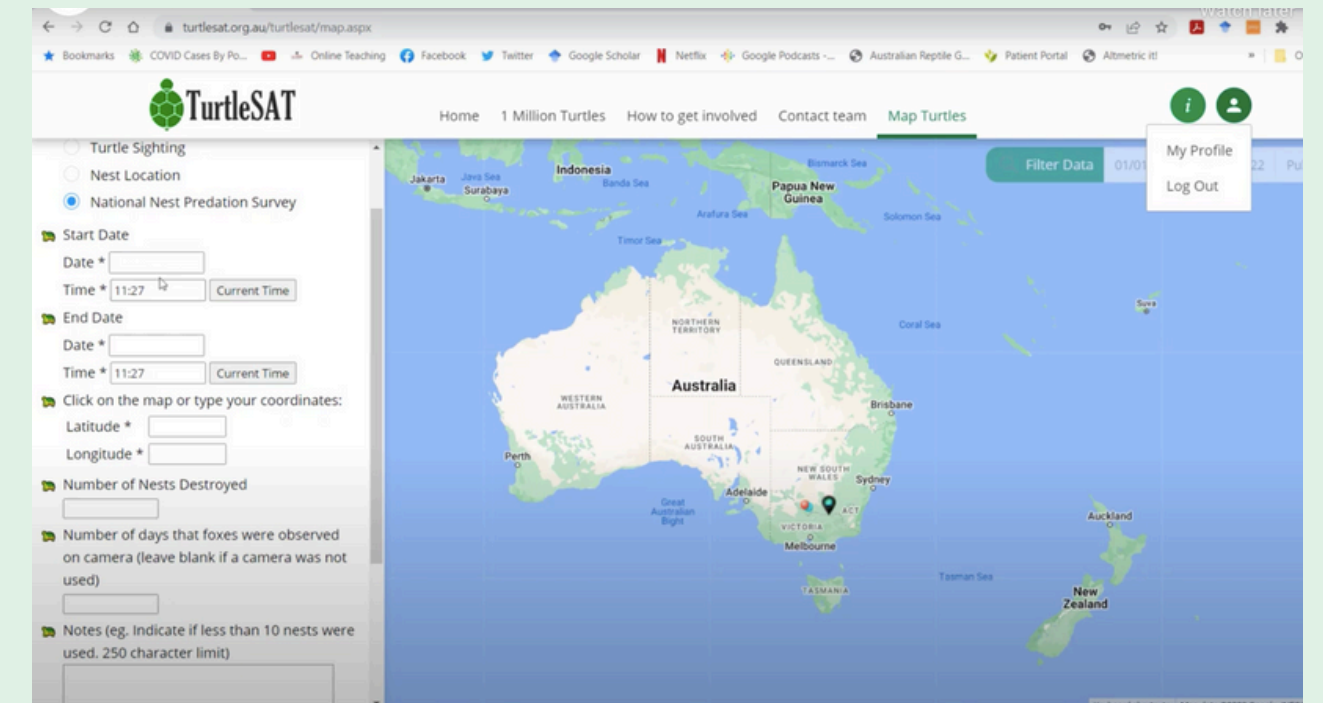
Learning Objectives:

1. Upload National Nest Predation Survey data to TurtleSAT;
2. Graph dependent and independent variables;
3. Interpret findings from the National Nest Predation Survey;
4. Appreciate the role of citizen scientists in collecting scientific data.

Photo credit: Dr. James Van Dyke

Uploading NNPS Data to TurtleSAT

By uploading your data to TurtleSAT you contribute to a broader database used by researchers, conservationists, and policymakers to inform conservation strategies and management decisions.

Fractions, decimals, percentages

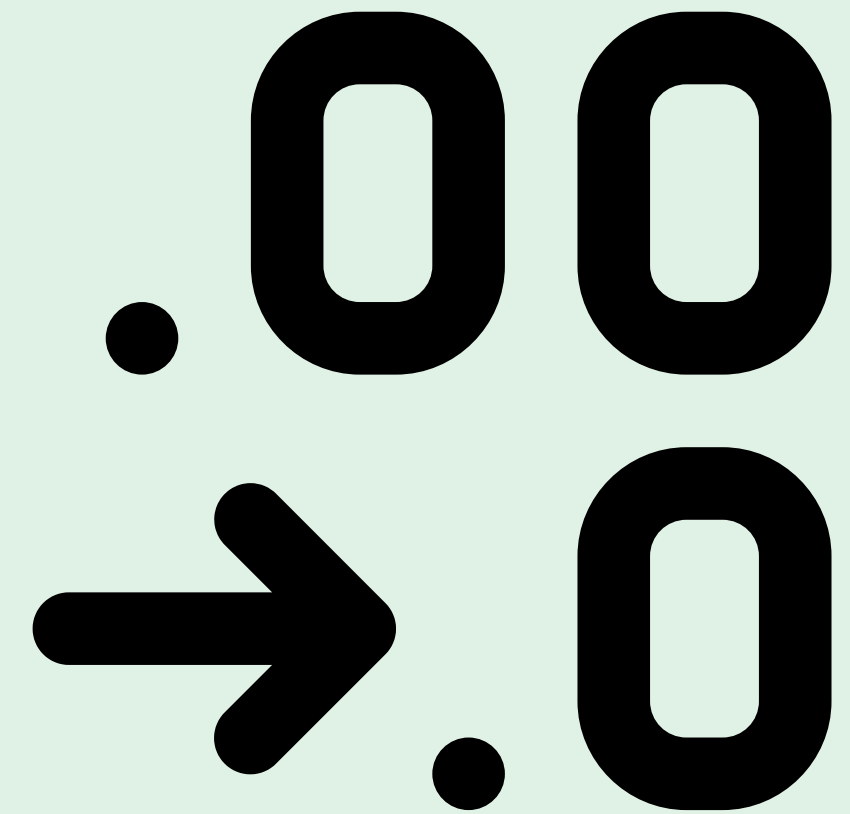Fractions are used to represent parts of a whole or parts of a group.

If we have a total of 10 turtle nests and 3 of them are predated, we can write this as 3/10. This fraction tells us that 3 out of the total 10 nests were predated.

$$\frac{3}{10}$$

Fractions, decimals, percentages

Decimals are another way to express parts of a whole in science.

Decimals are useful for recording and comparing measurements in experiments, such as measuring lengths, volumes, or weights of substances.
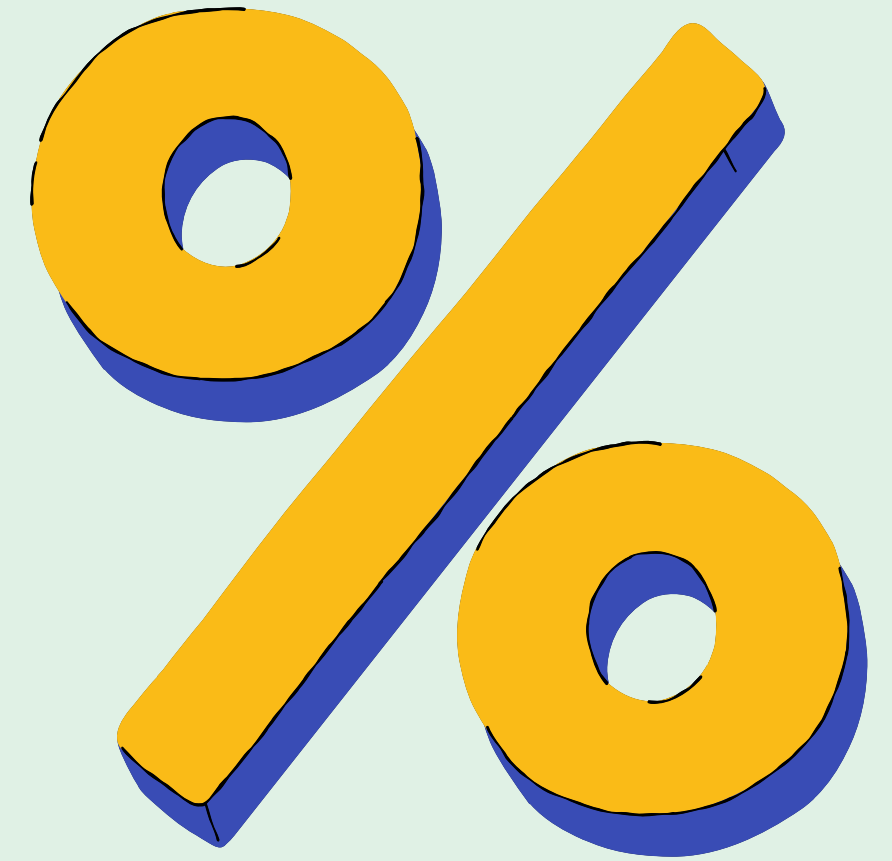
Fractions, decimals, percentages

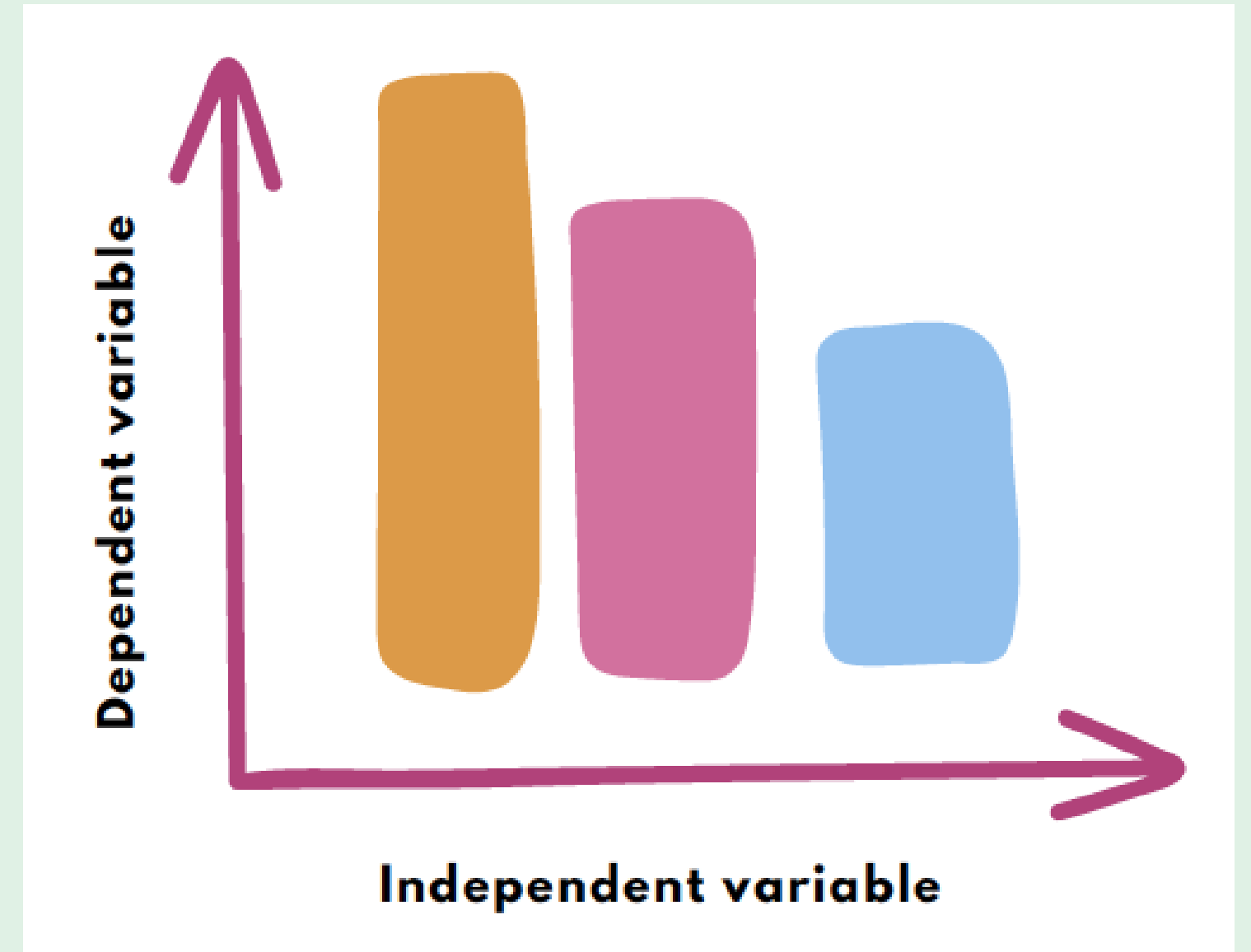Percentages are widely used in science to show proportions.

If we conduct the NNPS experiment with 100 fake nests, and find that 75 out of 100 nests were predated, we can say that the nest predation rate is 75%.

Independent & Dependent Variables

Independent variable - a variable that is unchanged by other variables being measured. Belongs on the x-axis.

Dependent variable - the variable that changes as a result of the independent variable. Belongs on the y-axis.

Classroom Activities

Activity 1 -

- In the worksheet, calculate the number of nests destroyed and write each as a fraction, decimal and percentage.
- Fill in the blank box with your nest predation data. Write the value as a fraction, decimal and percentage.

Classroom Activities

Activity 2 -

- Enter your data from the National Nest Predation Survey into TurtleSAT.

- Ensure your data follows the National Nest Predation Survey guidelines.

Classroom Activities

Activity 3 -

- Identify dependent and independent variables from the NNPS.
- Graph the number of foxes and the number of depredated nests.