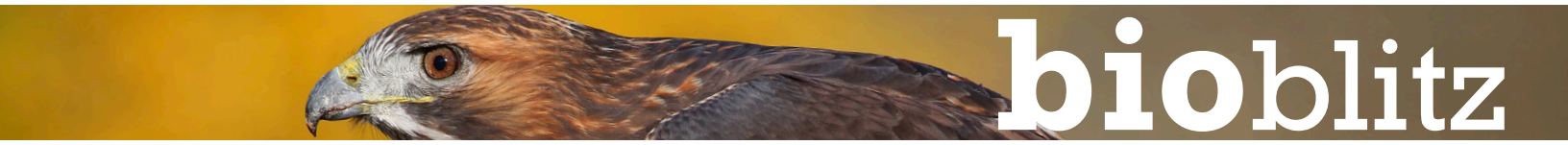

Analyze BioBlitz Results

Group Members _____

Location _____ Taxon Group _____

Follow the steps below to analyze bioblitz data using iNaturalist.org.

Step 1. On your park's BioBlitz Project homepage, locate the green "Totals" box on the left side of the screen.

- Write the total number of observations: _____
- Write the total number of species identified: _____

Now, click on the "Observations" button. You will see a new page with all observations tagged on a map of the BioBlitz area. Click on the buttons on the upper left side to change the view from a **map** to **icons** to a **list of observations**. These are the three ways you can visualize your observations. Choose your favorite view.

Step 2. Click on the "Filters" button on the right side of the search bar. A window will pop up with many different checkboxes and categories with icons. Each category icon represents a taxon group. The taxa include: plants, fungi, mollusks, arachnids, insects, birds, reptiles, amphibians, mammals, and ray-finned fish (fish with bony skeletons).

Find your taxon group in the "Categories" section and click "Update Search." All of the observations in your taxon group should now appear on the screen.

- Write the number of observations of your taxon: _____
- Write the number of species in your taxon (Note: If there are three observations of the same species, only count one): _____
- Write the five most common species observed in your taxon. Some observations may not be identified as species, especially for insects, arachnids, and plants. If you see a higher level like a family, such as the swallowtail butterflies family, you can share it instead: _____

_____

_____

_____

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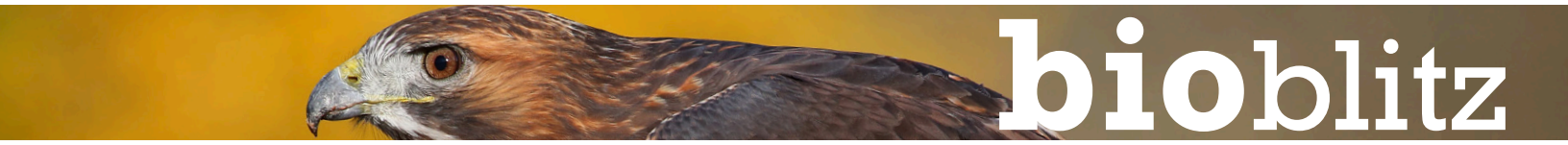
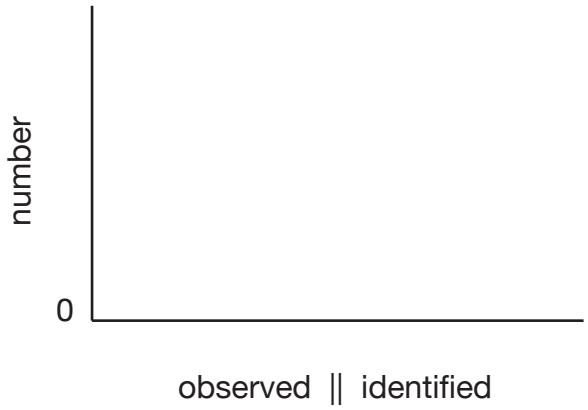


Analyze BioBlitz Results

Step 3. Create a graph that represents the results for your taxon. Your graph should have two bars: one for the total number of *observations* from your taxon, and one for the number of species *identified* from your taxon.



taxon: _____

Have one group member add this data to the class graph on the board.

Step 4. Open the "Filters" window again. Under the "Show" heading on the left side of the window, click the "Threatened" checkbox.

- Write the names of any threatened or endangered species in your taxon. _____

_____

_____

Step 5. In the "Filters" window, unclick the "Threatened" checkbox and click the "Introduced" checkbox.

- Write the names of any introduced species in your taxon. _____

_____

_____

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Analyze BioBlitz Results

Step 6. Prepare to present your group's findings in a one-minute presentation, with the following details:

- Taxon
- Numbers of observations and species identified
- Characteristics
- Top five most common species
- Introduced species
- Threatened or endangered species

Step 7. (optional) Calculate the percentage of total observations:

Divide the number of observations in your taxon by the total number of observations by your class. Then multiply by 100. Use the following equation:

$$\frac{\text{\# in taxon observed}}{\text{\# total observations}} = _____ \times 100 = _____\%$$

Repeat for the percentage of species identified:

$$\frac{\text{\# in taxon identified}}{\text{\# total species identified}} = _____ \times 100 = _____\%$$

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