Biol 105 Lab Fall 2022

Group Research Project Assignment 2

During our previous lab meeting, each research group completed assignment 1 - Background, hypothesis, methods

Assignment 1 - Requirements

Your Group Submission should include the following information:

1. First and last names of all group members
2. A brief explanation of the area of land your group chose to explore and why you chose this location. Write in complete sentences.
3. Provide a clear hypothesis for change in land cover over time, with respect to the piece of land your group chose to explore.
4. Create a methods section for how you used the Rangeland Analysis Platform to collect data to explore your hypothesis. This section should be written in past tense and should be detailed enough for someone else to repeat what you did to get approximately the same information you collected.

Instructions for Assignment 2

1. Make a new Google document in our shared lab folder. File name should be…..Project siteGroup Assignment2. For example, if you chose a location in Yellowstone National Park your file name would be YellowstoneGroup Assignment2.
2. Revise the assignment 1 document, based on suggested revisions from Dr. Reichart.
3. Second, assignment 1 should be reformatted in paragraph format:
    a. Title – create a title that represents the information you will present in your paper
    b. Introduction – brief background of the area your group chose with the hypothesis/objective included as the last section of the introduction
    c. Methods – how you collected information for your area
4. This week you will create a Results section by adding the following sections to your assignment 1 document.
    a. A properly formatted table – discuss what data you might like to include in a table to describe information you discovered about the land area your group chose. You do not have to include all data pieces, for example, you might provide information about vegetation cover (e.g., annual forbs and grass, perennial forbs and grass) that you do NOT plan to show in a figure.
    b. A properly formatted figure – you should include a graph that shows the data that is best able to provide information with respect to your group's hypothesis (e.g., if your hypothesis was about tree cover over time, then you should include a figure

that shows percent tree cover over time.

c. Write a short narrative/paragraph that describes the results you presented in your table and in your figure.

5. The last section you will include will be the Discussion section. This should be a separate paragraph from your Results section
    a. Include a brief description of the final conclusions regarding vegetation cover you found by observing your location. In your description, you must relate the results back to your original hypothesis. Was your hypothesis supported? What are suggestions for future research that would allow you to better test your hypothesis? This is where you make suggestions for future research.

The document you submit for Group Assignment 2 should have the following formatting and follow the example document presented during lab.

Section Headings: Introduction, Methods, Results, Discussion

Below is a brief explanation of the type of information that should be included in your Assignment 2 document. All sections should be written in complete sentences.

1. Title, names of groups members
2. Introduction should contain background information and end with a statement of the hypothesis/objective
3. Methods should be written in past tense, describe the location chosen and how you collected the data
4. Results should have a brief paragraph of the results where you refer to the table and figure you created for your research project
5. Discussion should be approximately 2-3 sentences where you interpret your results with respect to your group's original hypothesis, then end with future suggestions for further research.