

AMI Study Final Report

Field Biology

This report is an individual assignment. It should be written in the PAST TENSE (because you will be completing this report after your project is complete). When you are done, e-mail your work to ethan.hartz@gmail.com with the subject line “per *X your name* AMI report”.

Introduction:

This section of your report consists of a description of your original question and background information about your project.

In one paragraph, explain the “What is the Relationship Between” question that you originally came up with. Add some supporting details to clarify the purpose of your proposed question.

In another paragraph, explain what you think the answer to your proposed question might be and describe why you think your hypothesis is correct.

Methods:

This section of your report will describe how you collected your data. Your methods should take the form of a step by step list.

Make sure that your instructions are clear, detailed, and describe the actual steps you took to make your measurements.

Results:

This section of your report will describe the information you found and should include data tables (NOT graphs!) that summarize the measurements and calculations you made.

You should include all of the data tables that you made as long as they are meaningful. If you made a data table that turned out to be a mistake, do not include it. Include any data tables that accurately display the data you collected.

This section of your report should also include a paragraph or two that verbally describes the data you’ve collected.

Discussion:

In this section of your report, you will use your data to answer your question. This section will include graphs that show the trends in your data along with your interpretation of those graphs and an overall critique of your study.

You should have at least one graph but many of you could display two or more graphs here. If the graph you provide is enough to answer the question (as best as your data can) then you may proceed with only one graph in the report.

For your written analysis, answer the following questions for your graph*:

1. What was the correlation that your data shows – positive (up and to the right); negative (down and to the right); or none (horizontal line)? (If you have a graph that does not lend itself to this question then describe what your graph shows about the data in general).
2. What does this correlation tell you about the answer to your question?
3. What ecological factors do you think might have influenced the correlation (or lack thereof) that you see?