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Research Paper Peer Review

Overview

List things that this paper did well:

- 1) The paper was very easy to understand! I think the structure was pretty good.
- 2) The paper clearly stated the predictions and hypothesis
- 3) The paper interpreted all the results
- 4) Clear and concise explanations, easy to understand data interpretation, enticing abstract

List things that could be improved:

- 1) Could have added more background information on the species being studied
- 2) Could have expanded more on future research and possible mistakes
- 3) Could have explained why one or two-tailed t tests were chosen
- 4) There are no graphs/figures, there could be more discussion about the relevance of the paper, and there are a few punctuation errors throughout the paper

List at least one question you still have about the topic:

What significance does this study have for future research?

How could this paper be applied to other industries, such as agriculture or food resources?

Formatting

Does the paper follow the basic requirements of the assignment outlined in the rubric? If not, what is missing?

It follows most of them! It is just missing a background on the species being studied and discussion of future research.

There are no graphs or figures, which would help the interpretation of the data.

Are there any places where the spelling/grammar is distracting or difficult to understand? If so, provide specific paragraphs or lines.

Make sure the period goes after the parenthetical citations, for example in the introduction “themselves between the locations to ensure each animal receives equal food intake. (Avgar et al., 2020) There” the period should be after the parenthesis so that “There” is the first word of the new sentence.

There also needs to be a period added at the end on the first paragraph in the methods.

Are the references formatted correctly?

The citations are correct both in the references sheet and in the in text citations.

Under each of the following section are some guiding questions, however you are not limited to only these prompts. Provide additional comments if necessary.

Title

Does the title give a descriptive clear representation of the project and topic of interest?

Yes, the title gives a descriptive clear representation of the project. However, you may want to add the name of the species in the title. Also could be more specific about what they are looking for in the ideal free distribution.

Abstract

Is the abstract a brief synopsis of the main points of the paper? Does it state the important findings and conclusions? Can anything be removed or included?

The abstract was a brief synopsis of the main points of the paper and does state the important findings and conclusions. I do think you can add a beginning line describing ideal free distribution.

Introduction

Does the introduction provide all necessary background to understand the study? Is there a clear narrative flow? Are all the statements appropriately cited?

The introduction was well done! There were a lot of citations that were able to set up the main ideas of the paper and give access to previous research. Everything was cited appropriately. You may want to add more background information for the chicken.

Yes - the previous research is very clear and provides insight as to the reasoning behind this research. The predictions and hypotheses are also very clearly stated. However, make sure to create a differentiation between hypotheses and predictions, as in the introduction they blend together.

Hypothesis

Is the hypothesis well supported by the introduction? Is it clearly phrased?

The hypothesis was clearly stated and well supported by the introduction (lots of necessary background info added).

Methods

Are the methods easy to follow? Can they be used to replicate this study? Are all the key details in place?

The methods were easy to follow and can be used to replicate the study (you may want to add whether you used a one-tailed or two-tailed t test and why).

The methods of the experiment are clear. I would add more detail about why each statistical test was conducted.

Results

Are the results clearly stated in biological terms? Are the predictions tests? Are all interpretations withheld?

The results were clearly stated in biological terms and all the predictions were test (interpretations were withheld). They were easy to follow!

Discussion

Does the discussion explore the results and relate to the general aim of the paper? Does it discuss the predictions and what this means for their overall hypotheses? Does it make speculations, discuss possible errors, and suggest future research paths?

I think the discussion was good in interpreting the results and relating it to your hypothesis. However, I think you could have expanded on future research that could be done and possible errors.

The discussion interprets the results well and summarizes the findings of the study. However, I would add more detail about why this study is relevant in other realms, such as in agriculture or farming and how this knowledge could be applied in other settings. I would also add detail about future research options and ideas.

Overall Comments

Overall, it was good and easy to follow! There are some more things you may need to add like possible directions and background info but they are easy fixes!

Where did the data come from? How is the research about chickens? Overall nice paper with clear information, but some sections could be beefed up to make it a more interesting read!



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