

# Experiment Title: Subtitle

**Your Name**    *your affiliation*

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Experimental overview. This section should be no longer than 300 words.

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## Summary of Major Results

1. Summarize the major results from your experiment. You can use the autoreferencing functionality of RMarkdown to make reference to figures and tables in your document like this: See [Figure 1](#) for more information.

## Experimental Information

Always thoroughly think through your experiment to determine what hypotheses you're testing, the data you need to collect, and how you will analyze that data after its collected. Sometimes, there will be instances where you need to perform other statistics or visualizations after you start looking at the data. This is what we call exploratory data analysis and may lead to other interpretations and experiments.

### questions, hypotheses and rationale

*Question 1.*

- H0:
- H1:

#### **Rationale.**

We can create citations like this:

- To suppress the author's name: [Smith \(2017a\)](#) had some really great things to say.
- Or to include the full citation: One of his other articles completely contradicted the first ([Smith, 2017b](#))

*Question 2.*

- H0:
- H1:

#### **Rationale.**

## Methods

Use this space to provide information related to the protocol, protocol number (you can even add a link to the protocol in the GoogleDrive folder) or modifications to the protocol

## Results

To generate your results section, I would strongly recommend sections for data cleanup, calculations, data reduction, visualization, and statistics.

### Data summary

#### Summarize result 1 in a single sentence.

The frequency of algal blooms across the state of Nebraska increased by X% between 2005 - 2015 ([Figure 1](#)).

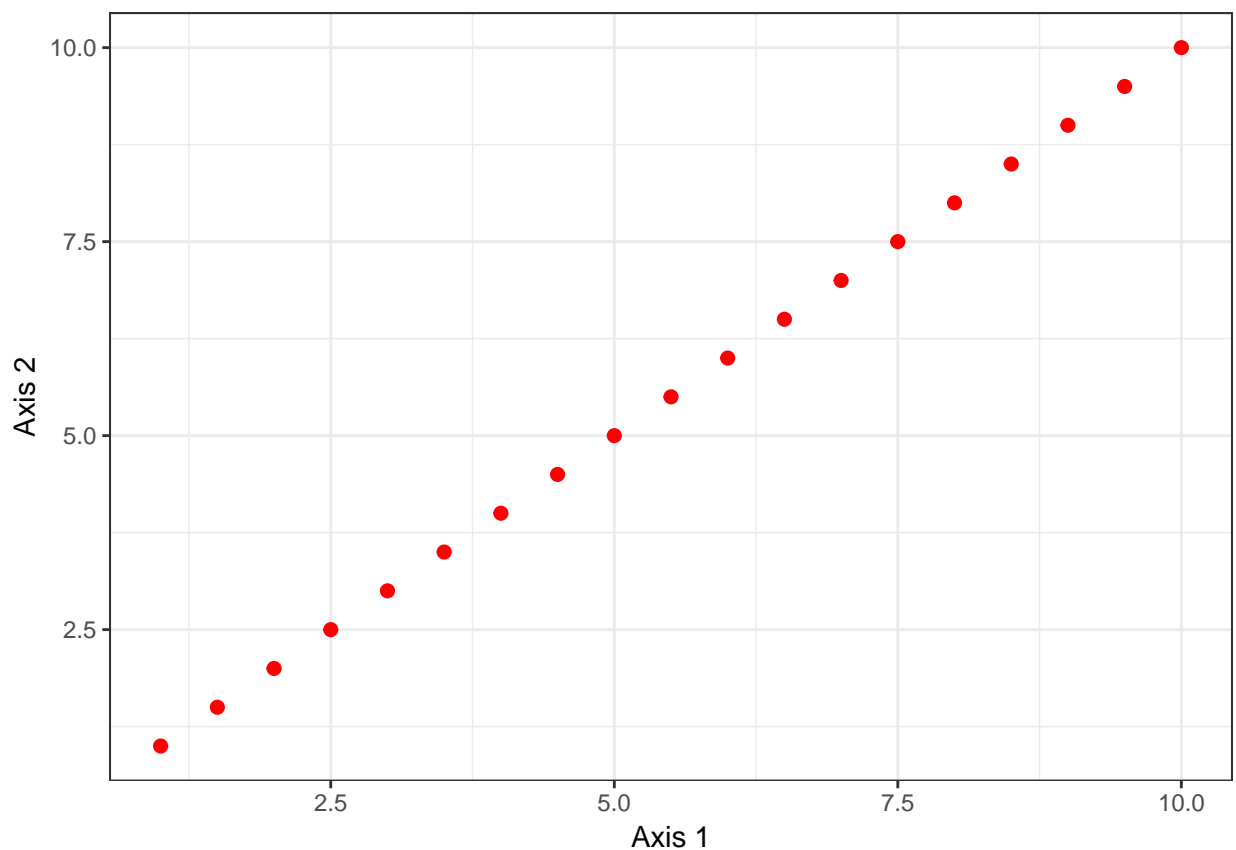


Figure 1: A descriptive title about the frequency.

#### Summarize result 2 in a single sentence.

Some great text about this!

**Experimental Summary**

**Next Steps**

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## References

Smith, John. 2017a. "Something really amazing." *The Journal of Awesomeness* 1(2):1–12.

Smith, John. 2017b. "Something really amazing." *The Journal of Awesomeness* 1(2):1–12.