# My fake manuscript

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## Introduction

This is my fake manuscript using iris dataset. I actually work on fish such as pink salmon (*Oncorhynchus gorbuscha*) but this manuscript is not about salmon. Here I am just demonstrating the cool skills I learned in class :)

I learned how to cite papers in rmd. For example, biodiversity is rapidly changing[1], and glmms are useful for understanding these changes[2].

## Methods

I am using the Iris dataset[3] for my LDP project as an example.

We used R version 4.3.2[4] and the following R packages: knitr v. 1.48[5–7], renv v. 1.0.7[8], rmarkdown v. 2.27[9–11], tidyverse v. 2.0.0[12].

## Results

I found that iris species vary in their sepal width (Figure 1). Pretend that this is another results sentence. And that this is another results sentence with super interesting results.

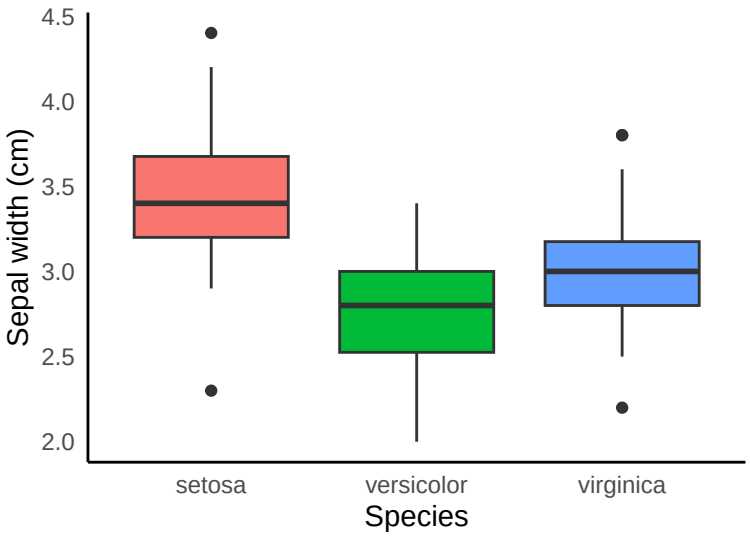


**Figure 1.** Boxplot of sepal width for each iris species.

Wow look how cool that boxplot looks. It would be great to see a summary stats table. Oh wait, the LDP team taught me how to do that. Let's see if i can figure it out.

**Table 1.** Summary statistics of the iris dataset.

| Sepal.Length | Sepal.Width | Petal.Length | Petal.Width | Species |
|---|---|---|---|---|
| Min. :4.300 | Min. :2.000 | Min. :1.000 | Min. :0.100 | Length:150 |
| 1st Qu.:5.100 | 1st Qu.:2.800 | 1st Qu.:1.600 | 1st Qu.:0.300 | Class :character |
| Median :5.800 | Median :3.000 | Median :4.350 | Median :1.300 | Mode :character |
| Mean :5.843 | Mean :3.057 | Mean :3.758 | Mean :1.199 | NA |
| 3rd Qu.:6.400 | 3rd Qu.:3.300 | 3rd Qu.:5.100 | 3rd Qu.:1.800 | NA |
| Max. :7.900 | Max. :4.400 | Max. :6.900 | Max. :2.500 | NA |

## Discussion

That's it for my sweet iris paper! Thanks for reading.

## References


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