

# Untitled

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## **Abstract**

This is where you can write your abstract. It should all be written in one paragraph and be less than 200 words.

*Keywords:* Just for fun, You can include keywords, But not necessary

# 1 Introduction

This is where you can write our introduction. You can also do citations if you wish. Visual editor is very helpful, as opposed to Source editor, when adding citations. The next paragraph provides an examples of in text citations.

A study we read examined the amount of bacteria and fungus found on clothing before and after being worn using summary statistics ([Whitehead et al. 2023](#)). Instead I could have said: [Whitehead et al. \(2023\)](#) studied bacteria and fungus found on clothing before and after being worn using summary statistics.

The information for citations is in the references.bib file. You can use a citation management tool or simply find the article you want to cite on Google Scholar > Click “cite” > Click “BibTex”, then copy and paste that citation into your references.bib file.

## 2 Methods

You can add equations using math notation (latex).

$$MicrobialLevels_i = \beta_0 + \beta_1 TimeWorn_i + \epsilon_i \quad (1)$$

If you have a long equation you can split it across multiple lines and have each line align where you place the &.

$$\begin{aligned} MicrobialLevels_i = & \beta_0 + \beta_1 TimeWorn_i \\ & + \beta_2 I(ArticleType_i = Shirt) + \beta_3 I(ArticleType_i = Pants) + \epsilon_i \end{aligned} \quad (2)$$

You can then cross reference an equation like the [Equation 1](#) or [Equation 2](#).

### 3 Results

Table 1: Sample summary

Species	Mean Bill length (mm)	Standard Deviation Bill Length (mm)	Number in Sample
Adelie	18.34636	1.2166498	152
Chinstrap	18.42059	1.1353951	68
Gentoo	14.98211	0.9812198	124

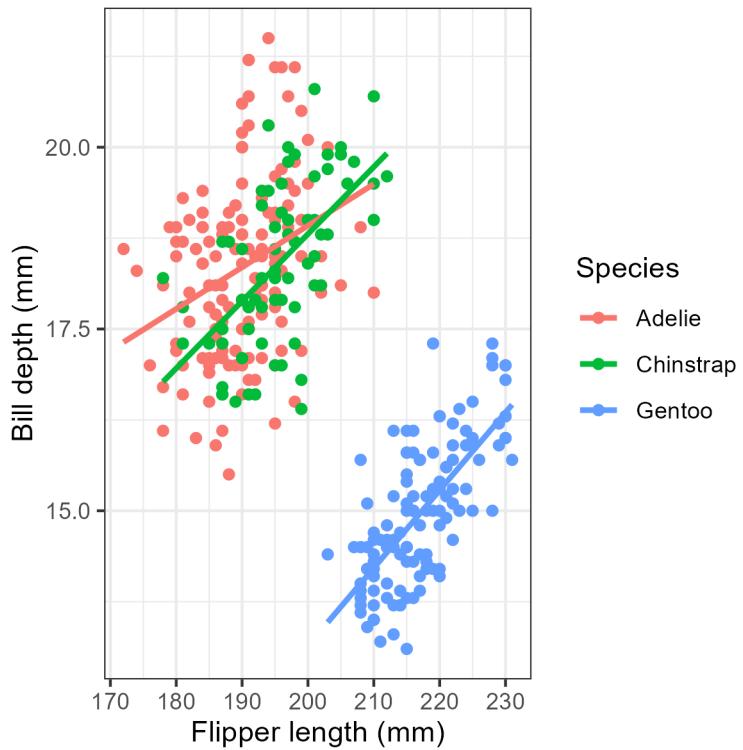


Figure 1: Penguin bill depth by flipper length and species

In Table 1 you can see characteristics of our sample and in Figure 1 you can see our analysis. As flipper length increase, we estimate bill depth to also increase, for each species.

## 4 Discussion

References will automatically be generated at the end of the document. You can remove the references part of the yaml if you don't want to include references. The following newpage command puts the references on their own page

## References

Whitehead, K., Eppinger, J., Srinivasan, V., Ijaz, M. K., Nims, R. W. & McKinney, J. (2023), 'Microbiome of clothing items worn for a single day in a non-healthcare setting', *Microbiology Research* **14**(3), 948–958.

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