Template manuscript

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Abstract

Abstract text would go here.

Introduction

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can **Knit** to PDF or to Microsoft word, just chose the appropriate dropdown from the **Knit** button.

Methods

You can make words **bold** with two asterisks, *italicized* with one.

Data

Hashtags denote a header, and the hierarchy is defined by the number of hashtags.

Statistical Analysis

To make a floating equation, use two dollar signs on either side:

$$\text{logit}(g_l) = \beta_{0g} + \beta_{1g}x_l.$$

To make an in-line equation, use one dollar sign. As in this: α_γ^2 for an example.

To make an equation array that shows up in both Word and PDF, you can use the following format:

$$
\begin{aligned}
R &= \text{the number of sightability trials (here } R = 124) \\
z_l &= \text{a random variable equal to 1 when the } l\text{th group is detected and 0 otherwise } (l = 1, 2, \ldots, R) \\
x_l &= \text{the percent visual obstruction (from 0 to 1) associated with the } l\text{th group } (l = 1, 2, \ldots, R) \\
g_l &= \text{the probability of detection of the } l\text{th group } (l = 1, 2, \ldots, R)
\end{aligned}
$$

Remember to put ampersands (&) to align equations.

Results

Results sub-section

Discussion

You can cite references using the **citr** add-in. With **citr** you can cite papers in line like Fieberg and Guidice (2008) is fond of doing, or parenthetically (R Development Core Team 2014). You can also cite multiple sources at once (Fieberg and Guidice 2008, Plummer 2013, Buckland et al. 2015).

Figures

Figures can be included with the following code, but they must be in .png format to show up in both Word and PDF. They can be referenced for the PDF with Fig. 1. *Unfortunately, I don't yet know how to make the reference number show up in Word.*
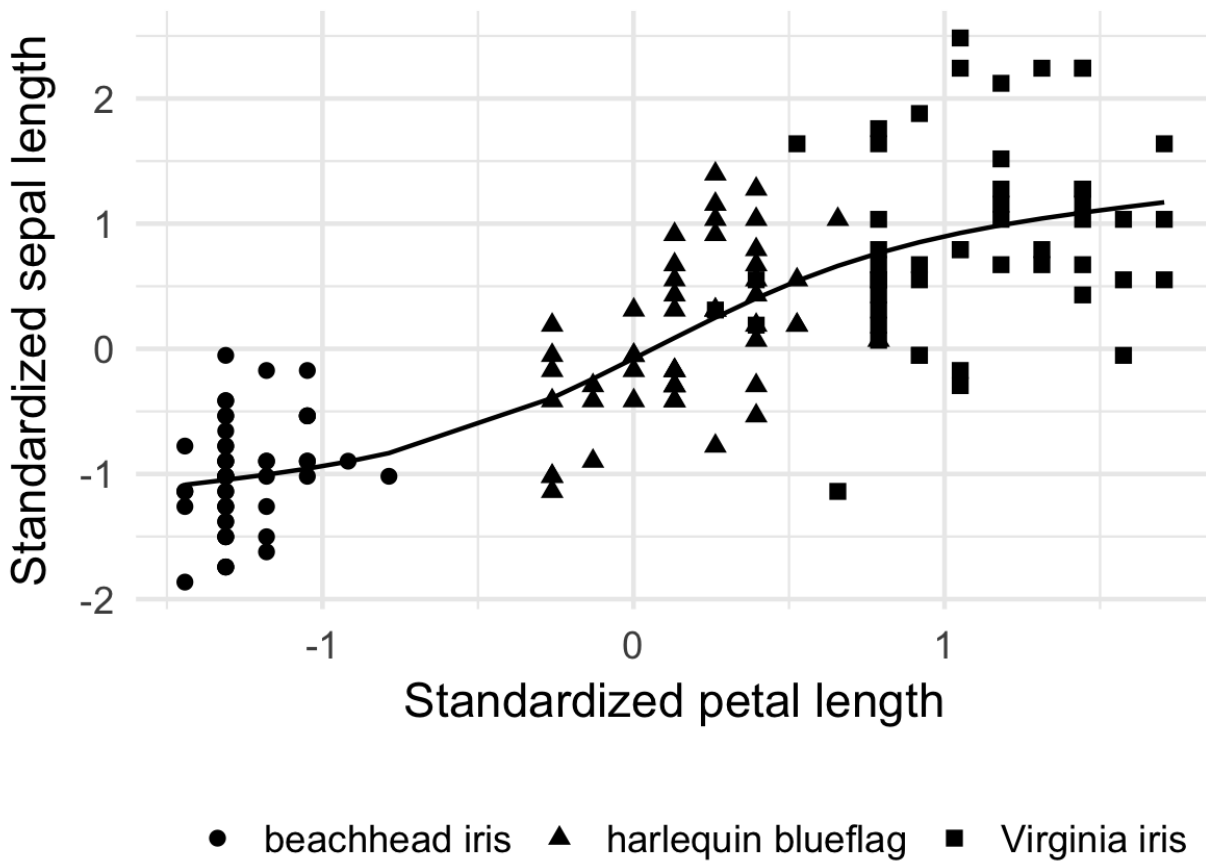

Figure 1: 1. Example figure caption, which can include in-line equations like $y = \alpha + \beta x$ and references like Fieberg and Guidice (2008).

References

Buckland, S. T., E. A. Rexstad, T. A. Marques, and C. S. Oedekoven. 2015. Distance Sampling: Methods and Applications. Springer, Switzerland.

Fieberg, J. R., and J. H. Guidice. 2008. Variance of stratified survey estimators with probability of detection estimates. The Journal of Wildlife Management 72:837–844.

Plummer, M. 2013. JAGS Version 3.4.0 user manual.

R Development Core Team. 2014. R: A Language and Environment for Statistical Computing. R Foundation for Statistical Computing, Vienna, Austria.