A TEMPLATE FOR THE ARXIV STYLE

A Preprint

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Abstract

Enter the text of your abstract here.

Keywords guano · microbiome · bat · virome · metagenomics

1 Introduction

Here goes an introduction text

2 Headings: first level

You can use directly LaTeX command or Markdown text.

LaTeX command can be used to reference other section. See Section 2. However, you can also use **bookdown** extensions mechanism for this.

2.1 Headings: second level

You can use equation in blocks

$$\xi_{ij}(t) = P(x_t = i, x_{t+1} = j | y, v, w; \theta) = \frac{\alpha_i(t) a_{ij}^{w_t} \beta_j(t+1) b_j^{v_{t+1}}(y_{t+1})}{\sum_{i=1}^{N} \sum_{j=1}^{N} \alpha_i(t) a_{ij}^{w_t} \beta_j(t+1) b_j^{v_{t+1}}(y_{t+1})}$$

But also inline i.e z = x + y

2.1.1 Headings: third level

Another paragraph. (De Leon et al. 2018) and see bob.

3 Examples of citations, figures, tables, references

The documentation for natbib may be found at

You can use custom blocks with LaTeX support from **rmarkdown** to create environment.

http://mirrors.ctan.org/macros/latex/contrib/natbib/natnotes.pdf%7D



Figure 1: Sample figure caption.

Table 1: Sample table title

	Part	
Name	Description	Size (μm)
Dendrite Axon Soma	Input terminal Output terminal Cell body	~ 100 ~ 10 up to 10^6

Of note is the command \citet, which produces citations appropriate for use in inline text. You can insert LaTeX environment directly too.

\citet{hasselmo} investigated\dots

produces

Hasselmo, et al. (1995) investigated...

https://www.ctan.org/pkg/booktabs

3.1 Figures

You can insert figure using LaTeX directly.

See Figure 1. Here is how you add footnotes. [^Sample of the first footnote.]

But you can also do that using R.

plot(mtcars\$mpg)

You can use **bookdown** to allow references for Tables and Figures.

3.2 Tables

Below we can see how to use tables.

See awesome Table~1 which is written directly in LaTeX in source Rmd file.

You can also use R code for that.

knitr::kable(head(mtcars), caption = "Head of mtcars table")

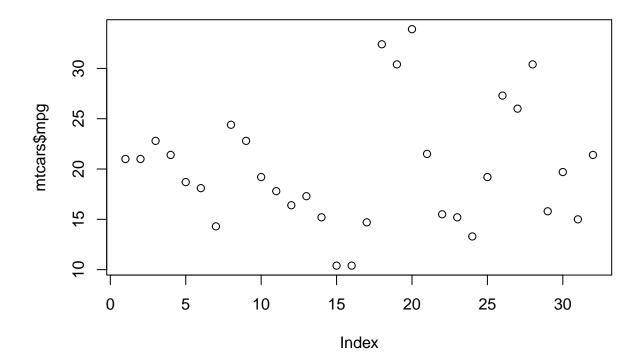


Figure 2: Another sample figure

Table 2: Head of mtcars table

	mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
Mazda RX4	21.0	6	160	110	3.90	2.620	16.46	0	1	4	4
Mazda RX4 Wag	21.0	6	160	110	3.90	2.875	17.02	0	1	4	4
Datsun 710	22.8	4	108	93	3.85	2.320	18.61	1	1	4	1
Hornet 4 Drive	21.4	6	258	110	3.08	3.215	19.44	1	0	3	1
Hornet Sportabout	18.7	8	360	175	3.15	3.440	17.02	0	0	3	2
Valiant	18.1	6	225	105	2.76	3.460	20.22	1	0	3	1

3.3 Lists

- Item 1
- Item 2
- Item 3

De Leon, Marian, Andrew D. Montecillo, Dale S. Pinili, Maria Auxilia T. Siringan, and Doo-Sang Park. 2018. "Bacterial Diversity of Bat Guano from Cabalyorisa Cave, Mabini, Pangasinan, Philippines: A First Report on the Metagenome of Philippine Bat Guano." Edited by Wanda Markotter. *PLOS ONE* 13 (7): e0200095. https://doi.org/10.1371/journal.pone.0200095.