Generate Reproducible & Live HTML and PDF Conference Posters Using RMarkdown

Introduction

Welcome to `posterdown` ! This is my attempt to provide a semi-smooth workflow for those who wish to take their R Markdown skills to the conference world. Most features from R Markdown are available in this package such as Markdown section notation, figure captioning, and even citations like this one (Allaire et al. 2022). The rest of this example poster will show how you can insert typical conference poster features into your own document.

Objectives

1. Easy to use reproducible poster design.
2. Integration with R Markdown.
3. Easy transition from `posterdown` to `pagedown` report or manuscript documents (Xie et al. 2022).

Methods

This package uses the same workflow approach as the R Markdown you know and love. Basically it goes from RMarkdown > Knitr > Markdown > Pandoc > HTML/CSS > PDF. You can even use the bibliography the same way (Thorne 2019).

Results

Usually you want to have a nice table displaying some important results that you have calculated. In `posterdown` this is as easy as using the `kable` table formatting you are probably use to as per typical R Markdown formatting.

You can reference tables like so: Table 1. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aliquam placerat augue at velit tincidunt semper. Donec elementum porta posuere. Nullam interdum, odio at tincidunt feugiat, turpis nisi blandit eros, eu posuere risus felis non quam. Nam eget lorem odio. Duis et aliquet orci. Phasellus nec viverra est.

Table 1: Table caption.

Sepal.Length	Sepal.Width	Petal.Length	Petal.Width
5.1	3.5	1.4	0.2
4.9	3.0	1.4	0.2
4.7	3.2		
4.6	3.1		
5.0	3.6		
5.4	3.9		
4.6	3.4	1.4	0.3
5.0	3.4	1.5	0.2
4.4	2.9	1.4	0.2

Sepal.Length	Sepal.Width	Petal.Length
4.9	3.1	1.5

Or with figures: Figure 1, or Figure 2.

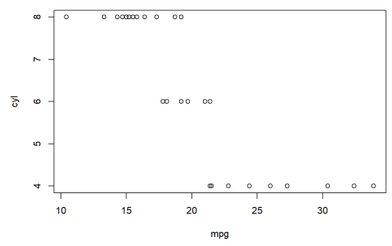

Figure 1: Great figure!

```
data <- iris

plot(x = data$Sepal.Length,
     y = data$Sepal.Width,
     col = data$Species,
     pch = 19,
     xlab = "Sepal Length (cm)",
     ylab = "Sepal Width (cm)")
```

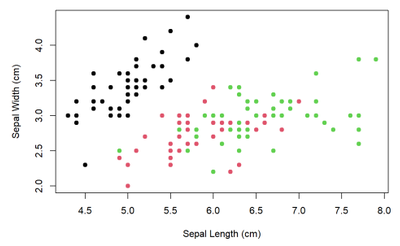

Figure 2: Amazing, right?!

Next

Aliquam se
risus, quis e
Vestibulum
mauris qu
eleifend.
sagittis dict
quis vive
eleifend ut
sagittis vita
faucibus.
elementum
et aliquam
pulvinar sa
vel preti
efficitur
fringilla ma
maximus.
ligula laore
mi at, au
Praesent
elementum
Aenean
risus rhoncu
efficitur.
dictum mau
maximus
(Thorne 201

Concl

Try `po`
out! Hopefu