Otago University Default Landscape

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Introduction

Welcome to `posterdown`! This is my attempt to provide a semi-smooth workflow for those who wish to take their `RMarkdown` skills to the conference world. Many creature comforts from `RMarkdown` are available in this package such as `Markdown` section notation, figure captioning, and even citations like this one [**holden_identifying_2012**] The rest of this example poster will show how you can insert typical conference poster features into your own document.

Study Site

Here is a map made to show the study site using `ggplot2`, `ggspatial`, and `sf` and you can even reference this with a hyperlink, this will take you to **Figure ??**. Lorem ipsum dolor sit amet, [**middleton_geological_nodate**] consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
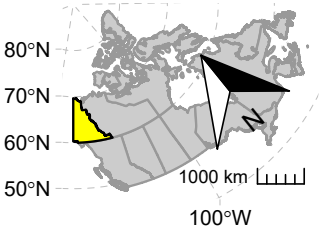

Figure 1: This is a map of Canada, the ggspatial package is great for GIS folks in R!

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Objectives

1. Easy to use reproducible poster design.
2. Integration with `RMarkdown`.
3. Easy transition from `posterdown` to `thesisdown` or `rticles`

Methods

This package uses the same workflow approach as the `RMarkdown` you know and love. Basically it goes from RMarkdown > Knitr > Markdown > Pandoc > Latex > PDF.
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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 `RMarkdown` formatting. I suggesting checking out the `kableExtra` package and its in depth documentation on customizing these tables found here.

Table 1: Tables are a breeze with Kable and Kable extra package!

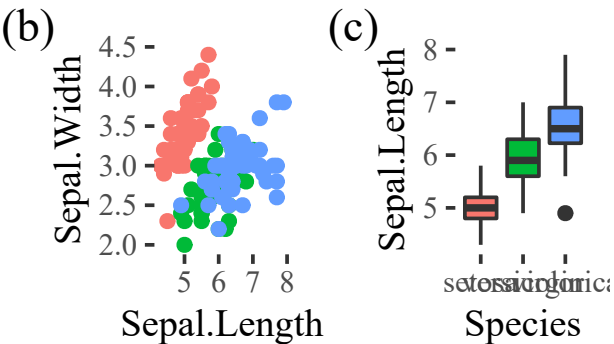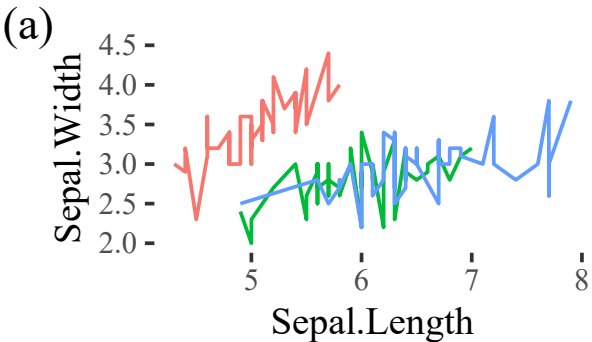| Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
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4.6	3.1	1.5	0.2	setosa

Figure 2: Using ggplot and patchwork to generate a layout of multiple plots in one figure. The iris dataset was used to generate (a) a line graph, (b) a scatterplot, and (c) a boxplot all together!

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Next Steps

There is still **A LOT** of work to do on this package which include (but are note limited to):

- Better softcoding for front end user options in YAML
- Images in the title section for logo placement which is a common attribut to posters as far as I have come to know.
- Figure out compatiability with `natbib` which wasn't working during the initial set up.
- MUCH BETTER PACKAGE DOCUMENTATION. For example, there is nothing in the README...
- Include References section only if initiated by the user like in RMarkdown.