2022 Data Management Workshop: RMarkdown

Knit to Word Demonstration

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# Introduction

This document demonstrates how to render a Word document using **RMarkdown** ([RMarkdown Cheat Sheet](https://www.rstudio.com/wp-content/uploads/2015/02/rmarkdown-cheatsheet.pdf)) and provides a few helpful links. Rendering a Word document can be challenging to format in R, especially when trying to format a table. Unlike rendering a PDF where you can format the document in the R script, it is better to format a reference document that can be used to format the document you are rendering ([Formating a Word document article](https://rmarkdown.rstudio.com/articles_docx.html)). We will step through the process to generate and use the reference document today. For more complex documents, I would recommend checking out the following packages:

Other packages that may help you:

1. [Bookdown](https://bookdown.org/)
2. [officedown](https://ardata-fr.github.io/flextable-book/index.html)

# Tables

There are a few packages that can handle tables in word with varying capabilities. The kableExtra package ([Table 1](#tbl-effortSiteskbl)) can be used for simple tables while the huxtable package uses the flextable package. Therefore, the flextable package ([Table 2](#tbl-effortSitesflex)) is best suited for formatting a table when rendering a document to word. Here are a few links that are helpful when using the flextable package:

* Flextable Resources:
  + <https://ardata-fr.github.io/flextable-book/>
  + <https://davidgohel.github.io/flextable/reference/index.html>

## Kable Package

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table 1: This is a nice table using the kableExtra package.   | Year | 16’ Bottom Trawl (4.9 m) | Boat Electroshocker | Fyke Net | | --- | --- | --- | --- | | 2018 | 120 | 60 | 60 | | 2019 | 123 | 60 | 60 | |

## Flextable Package

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Table 2: This is a nice table using the flextable package.   | Year | Bottom\_Trawl | Electrofishing | Fyke Net | Total | | --- | --- | --- | --- | --- | | 2018 | 120 | 60 | 60 | **240** | | 2019 | 123 | 60 | 60 | **243** | |