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1 About this

This is a 3 hour workshop initially designed for the SSA Vic and MIG meeting on November 13, 2018.

After completing this course, you will know how to:

- Create your own R Markdown document
- Create figures and tables that you can reference in text, and update with - your data
- Export your R Markdown document to PDF, HTML, and Microsoft Word
- Use keyboard shortcuts to improve workflow
- Cite research articles and generate a bibliography

We may, depending on time, also cover the following areas:

- Change the size and type of your figures
- Create captions for your figures, and reference them in text
- Cite research articles and generate a bibliography
- Debug and handle common errors

2 Getting oriented

2.1 Overview

2.1.1 Questions

2.2 Software Setup

2.3 R

2.3.1 Windows

2.3.2 MacOS

2.4 RStudio

2.4.1 Windows

2.4.2 MacOS

2.5 RMarkdown

2.5.1 Windows

2.5.2 MacOS

2.6 TeX (and TinyTeX)

2.6.1 Windows

2.6.2 MacOS

3 Why R / RMarkdown

3.1 Overview

3.2 Questions

3.3 Objectives

3.4 Why are we here?

1. Form small groups of 2-4 with your neighbours and discuss how you expect learning rmarkdown might benefit you.

4 Getting Started

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4.2 Questions

4.3 Objectives

4.4 Exercise

1. Generic exercise

5 Figures and Tables

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5.2 Questions

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10 Common Problems

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