Umass R Basics

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Chapter 1

R: Basic Introduction to using R for data analysis

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Chapter 2

Introduction

This is a book created from markdown and executable code.

See (**knuth84?**) for additional discussion of literate programming.

```
1 + 1
```

```
[1] 2
```

Chapter 3

Summary

In summary, this book has no content whatsoever.

```
1 + 1
```

```
[1] 2
```

References

R Session Info

R Version

```
setting  value
version  R version 4.2.1 (2022-06-23)
os       macOS Big Sur ... 10.16
system   x86_64, darwin17.0
ui       X11
language (EN)
collate  en_US.UTF-8
ctype    en_US.UTF-8
tz       America/New_York
date     2022-10-12
pandoc   2.19.2 @ /Applications/RStudio.app/Contents/Resources/app/quarto/bin/tools/ (via rmarkdow
```

Package Versions

The following packages were used in the analysis of the data

```
package         * version date (UTC) lib source
bookdown        * 0.28    2022-08-09 [1] CRAN (R 4.2.0)
ComplexHeatmap  * 2.12.1  2022-08-09 [1] Bioconductor
cowplot         * 1.1.1   2020-12-30 [1] CRAN (R 4.2.0)
dendextend      * 1.16.0  2022-07-04 [1] CRAN (R 4.2.0)
DT              * 0.25    2022-09-12 [1] CRAN (R 4.2.0)
fastmatch       * 1.1-3   2021-07-23 [1] CRAN (R 4.2.0)
finalfit        * 1.0.5   2022-08-09 [1] CRAN (R 4.2.0)
GGally          * 2.1.2   2021-06-21 [1] CRAN (R 4.2.0)
ggdist          * 3.2.0   2022-07-19 [1] CRAN (R 4.2.0)
ggnewscale      * 0.4.7   2022-03-25 [1] CRAN (R 4.2.0)
ggplot2         * 3.3.6   2022-05-03 [1] CRAN (R 4.2.0)
ggpmisc         * 0.5.0   2022-08-12 [1] CRAN (R 4.2.0)
ggridges        * 0.5.3   2021-01-08 [1] CRAN (R 4.2.0)
```

```
ggthemes          * 4.2.4   2021-01-20 [1] CRAN (R 4.2.0)
ggtree            * 3.4.2   2022-08-14 [1] Bioconductor
ggtreeExtra       * 1.6.0   2022-04-26 [1] Bioconductor
HaplotypeRainbows * 1.0.0.0 2022-08-08 [1] Github (nickjhathaway/HaplotypeRainbows@5dc9b
heatmaply         * 1.3.0   2021-10-09 [1] CRAN (R 4.2.0)
knitr             * 1.39    2022-04-26 [1] CRAN (R 4.2.0)
lubridate         * 1.8.0   2021-10-07 [1] CRAN (R 4.2.0)
magrittr          * 2.0.3   2022-03-30 [1] CRAN (R 4.2.0)
plotly            * 4.10.0  2021-10-09 [1] CRAN (R 4.2.0)
rmarkdown         * 2.15    2022-08-16 [1] CRAN (R 4.2.1)
rwantshue        * 0.0.3   2022-07-18 [1] Github (hoesler/rwantshue@07a58c7)
stringr           * 1.4.0   2019-02-10 [1] CRAN (R 4.2.0)
tidyverse         * 1.3.2   2022-07-18 [1] CRAN (R 4.2.1)

[1] /Library/Frameworks/R.framework/Versions/4.2/Resources/library
```

R Packages References