

Stephanie Zimmer, Rebecca Powell, and Isabella Velásquez

Tidy Survey Book

To my son,
without whom I should have finished this book two years earlier

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Preface

Hi there, this is my great book.

Why read this book

It is very important...

Structure of the book

Chapters ?? introduces a new topic, and ...

Software information and conventions

I used the **knitr** package ([Xie, 2015](#)) and the **bookdown** package ([Xie, 2021](#)) to compile my book. My R session information is shown below:

```
xfun::session_info()
```

```
## R version 4.1.2 (2021-11-01)
## Platform: x86_64-apple-darwin17.0 (64-bit)
## Running under: macOS Big Sur 10.16
##
## Locale: en_US.UTF-8 / en_US.UTF-8 / en_US.UTF-8 / C / en_US.UTF-8
##          8 / en_US.UTF-8
```

```
##
## Package version:
##   base64enc_0.1.3   bookdown_0.24
##   bslib_0.3.1      cli_3.2.0
##   compiler_4.1.2   digest_0.6.29
##   evaluate_0.14    fastmap_1.1.0
##   fs_1.5.2.9000     glue_1.6.1
##   graphics_4.1.2   grDevices_4.1.2
##   highr_0.9         htmltools_0.5.2
##   jquerylib_0.1.4  jsonlite_1.7.3
##   knitr_1.37        magrittr_2.0.2
##   methods_4.1.2    R6_2.5.1
##   rappdirs_0.3.3   rlang_1.0.1
##   rmarkdown_2.11.22 rstudioapi_0.13
##   sass_0.4.0        stats_4.1.2
##   stringi_1.7.6     stringr_1.4.0
##   tinytex_0.37.1    tools_4.1.2
##   utils_4.1.2       xfun_0.29
##   yaml_2.2.2
```

Package names are in bold text (e.g., **rmarkdown**), and inline code and filenames are formatted in a typewriter font (e.g., `knitr::knit('foo.Rmd')`). Function names are followed by parentheses (e.g., `bookdown::render_book()`).

Acknowledgments

A lot of people helped me when I was writing the book.

Frida Gomam
on the Mars

1

Introduction



2

Introducing survey data



3

Understanding survey data files



4

Introducing the srvyr package



5

Specifying sample designs in srvyr



6

Descriptive analyses in srvyr



7

Statistical testing



8

Modeling



9

Presenting results



A

More to Say

Yeah! I have finished my book, but I have more to say about some topics. Let me explain them in this appendix.

To know more about **bookdown**, see <https://bookdown.org>.



Bibliography

Xie, Y. (2015). *Dynamic Documents with R and knitr*. Chapman and Hall/CRC, Boca Raton, Florida, 2nd edition. ISBN 978-1498716963.

Xie, Y. (2021). *bookdown: Authoring Books and Technical Documents with R Markdown*. R package version 0.24.



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