

A Minimal Book Example (Bootstrap Style)

2026-02-14

Contents

| | |
|-----------------|-----------|
| 1 | 7 |
| 1.1 | 7 |
| 1.2 | 8 |
| 1.3 | 8 |
| 1.4 R Rmarkdown | 8 |
| 2 | 9 |
| 2.1 | 10 |
| 2.2 | 10 |
| 2.3 | 10 |
| 2.4 | 10 |
| 2.5 | 10 |
| 2.6 | 10 |
| 2.7 | 10 |
| 2.8 | 10 |
| 3 | 11 |
| 3.1 | 12 |
| 3.2 | 12 |
| 3.3 | 12 |
| 3.4 | 12 |

| | |
|---------------------------------------|-----------|
| 4 | 13 |
| 4.1 | 13 |
| 4.2 | 13 |
| 4.3 VaR Value-at-Risk | 13 |
| 4.4 TVaR Tail-Value-at-Risk | 13 |
| 4.5 | 13 |
| 5 | 15 |
| 5.1 | 15 |
| 5.2 | 15 |
| 5.3 | 15 |
| 5.4 | 15 |
| 5.5 | 15 |
| 5.6 | 15 |
| 5.7 | 15 |
| 6 | 17 |
| 6.1 | 17 |
| 6.2 | 17 |
| 6.3 | 17 |
| 6.4 R | 17 |
| 7 | 19 |
| 7.1 | 19 |
| 7.2 | 19 |
| 7.3 Example | 19 |
| 7.4 | 19 |
| 8 | 21 |
| 8.1 | 21 |
| 8.2 | 21 |
| 8.3 | 21 |

| | |
|-----------------|---|
| <i>CONTENTS</i> | 5 |
|-----------------|---|

| | |
|----------|-----------|
| 9 | 23 |
|----------|-----------|

| | |
|---------------|----|
| 9.1 | 24 |
| 9.2 | 24 |
| 9.3 | 24 |

| | |
|-----------|-----------|
| 10 | 25 |
|-----------|-----------|

| | |
|---|----|
| 10.1 | 25 |
| 10.2 | 25 |
| 10.3 Example | 25 |
| 10.4 (loss, claim) | 25 |
| 10.5 (loss, claim) | 25 |
| 10.6 | 25 |
| 10.7 loss adjustment expenses | 25 |
| 10.8 Claim Severity () | 25 |
| 10.9 premium | 25 |
| 10.10 loss ratio | 25 |

Chapter 1

-
-
-
- 2020
- 2020

1.1

-
-
-

R

1.2

-
-
-
-

1.3

- Klugman S. A., Panjer H. H., Willmot G. E. Loss models: from data to decisions (5th edition). London: John Wiley & Sons, 2016.
- , 4 2019 .
- , , 2022.
- 2019.

1.4 R Rmarkdown

- R R
 - R
 - RStudio RStudio R IDE
 - rtools rtools R
- Rmarkdown R markdown
 - HTML PDF Word Rmarkdown
 - Rmarkdown
 - Rmarkdown
 - Rmarkdown R
 - Rmarkdown

Chapter 2

Placeholder

2.1**2.2****2.3****2.4****2.5****2.6****2.7**

2.7.1 left truncated shifted

2.7.2 left censored shifted

2.7.3 right censored

2.7.4

2.8

Chapter 3

Placeholder

3.1**3.1.1** Exponential**3.1.2** Gamma**3.1.3** Pareto**3.1.4** Log-normal**3.2****3.2.1** Poisson**3.2.2** Negative Binomial distribution**3.2.3** Binomial Distribution**3.2.4** $(a, b, 0)$ $(a, b, 1)$ **3.3****3.4**

Chapter 4

Placeholder

4.1

4.2

4.3 VaR Value-at-Risk

4.4 TVaR Tail-Value-at-Risk

4.5

Chapter 5

Placeholder

5.1

5.1.1

5.1.2

5.2

5.3

5.4

5.5

5.6

5.7

Chapter 6

Placeholder

6.1

6.2

6.2.1

6.2.2 Delta Method

6.3

6.3.1

6.3.2

6.4 R

Chapter 7

Placeholder

7.1

7.1.1

7.2

7.3 Example

7.4

Chapter 8

We have finished a nice book.

8.1

8.2

8.3

Chapter 9

Placeholder

9.1**9.2****9.2.1****9.2.1.1****9.2.1.2****9.2.2****9.2.2.1****9.2.2.2****9.3****9.3.1****9.3.2****9.3.3****9.3.4 B-F**

Chapter 10

Placeholder

10.1

10.2

10.3 Example

10.4 (loss, claim)

10.5 (loss, claim)

10.6

10.7 loss adjustment expenses

10.8 Claim Severity ()

10.9 premium

10.10 loss ratio