

# A Minimal Book Example (Bootstrap Style)

2026-02-14



# Contents

<b>1</b>		<b>7</b>
1.1	.....	7
1.2	.....	8
1.3	.....	8
1.4 R Rmarkdown	.....	8
 <b>2</b>		 <b>9</b>
2.1	.....	10
2.2	.....	10
2.3	.....	10
2.4	.....	10
2.5	.....	10
2.6	.....	10
2.7	.....	10
2.8	.....	10
 <b>3</b>		 <b>11</b>
3.1	.....	12
3.2	.....	12
3.3	.....	12
3.4	.....	12

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

<b>CONTENTS</b>	<b>5</b>
<b>9</b>	<b>23</b>
9.1	24
9.2	24
9.3	24
<b>10</b>	<b>25</b>
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