

Tidyverse

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Chapter 1

tidyverse, , , bookdown. R for data
science, tidyver . . .
R , .

Chapter 2

- .
- : . , cell .
 - , sample1 gene2 , (sample_1) (gene_2) cell, . ?
 - , . , case, case , , .
- .

Table 2.1: <U+5BBD><U+6570><U+636E><U+793A><U+4F8B><U+6570><U+636E>

	sample_1	sample_2	sample_3	sample_4	sample_5
gene_1	40	15	63	100	57
gene_2	69	8	67	9	50
gene_3	77	26	2	83	13
gene_4	39	52	94	60	55
gene_5	74	82	81	75	92

Table 2.2: <U+957F><U+6570><U+636E><U+793A><U+4F8B><U+6570><U+636E>

Sample_name	Gene_name	Expression
sample_1	gene_1	11
sample_2	gene_1	84
sample_3	gene_1	29
sample_4	gene_1	67
sample_5	gene_1	81
sample_1	gene_2	61
sample_2	gene_2	100
sample_3	gene_2	5
sample_4	gene_2	15
sample_5	gene_2	73
sample_1	gene_3	65
sample_2	gene_3	82
sample_3	gene_3	39
sample_4	gene_3	88
sample_5	gene_3	92
sample_1	gene_4	83
sample_2	gene_4	56
sample_3	gene_4	80
sample_4	gene_4	31
sample_5	gene_4	25
sample_1	gene_5	85
sample_2	gene_5	89
sample_3	gene_5	35
sample_4	gene_5	2
sample_5	gene_5	9

Chapter 3

Literature

Here is a review of existing methods.

Chapter 4

Methods

We describe our methods in this chapter.

Chapter 5

Applications

Some *significant* applications are demonstrated in this chapter.

5.1 Example one

5.2 Example two

Chapter 6

Final Words

We have finished a nice book.