На цій сторінці

Передмова		2
1	Вступ	3
2	Завдання 1	4
3	Завдання 2	5
4	Summary	19
References		20

Передмова

Вказівки до самостійної роботи студентів з курсу "Психометрія інтелекту"

1 Вступ

Цей посібник допоможе вам засвоїти практичні навички, необхідні для перевірки властивостей психологічних тестів інтелекту, знань і компетенцій.

2 Завдання 1

Перше завдання: створення форми, підготовка та імпорт даних

3 Завдання 2

```
library(readx1)
  library(dplyr)
Attaching package: 'dplyr'
The following objects are masked from 'package:stats':
    filter, lag
The following objects are masked from 'package:base':
    intersect, setdiff, setequal, union
  library(sjmisc)
  students <- read_excel(</pre>
     "????? ?????????? (?????????).x1sx",
    sheet = "Data View"
   )
  table(students$a01)
```

```
3 214
```

```
students <- mutate(</pre>
    students,
    fa01 = factor(a01, levels = c("[?]??????", "[?]????", "[?]????", "[?]?????")
    ra01 = recode(a01, "????????" = 1, "???????" = 2, "?????????" =
  )
  frq(students, fa01)
fa01 <categorical>
# total N=217 valid N=217 mean=2.01 sd=0.12
Value
           N | Raw % | Valid % | Cum. %
???????
           0 0.00
                             0.00
                                      0.00
??????
             214 | 98.62 | 98.62 | 98.62
            3 | 1.38 | 1.38 | 100.00
???????????
<NA>
             0 \mid 0.00 \mid < NA > |
                                       <NA>
  barplot(
    height = table(students$fa01),
    col = c("red", "green", "red")
  )
```

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on 'n 'mbcsToSbcs': dot subs <b3>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on ' $\boxed{222222222}$ ' in 'mbcsToSbcs': dot subs <d0>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty
axis.lty, : conversion failure on '[?]??????' in 'mbcsToSbcs': dot subs
<be>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[???????]' in 'mbcsToSbcs': dot subs <d1>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[???????]' in 'mbcsToSbcs': dot subs <81>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[???????]' in 'mbcsToSbcs': dot subs <d1>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty
axis.lty, : conversion failure on 'n 'mbcsToSbcs': dot subs
<82>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on 'n 'mbcsToSbcs': dot subs <d1>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on 'n 'mbcsToSbcs': dot subs <80>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on ' $\boxed{222222222}$ ' in 'mbcsToSbcs': dot subs <d0>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[???????]' in 'mbcsToSbcs': dot subs <d0>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[???????]' in 'mbcsToSbcs': dot subs <b9>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[?]??????' in 'mbcsToSbcs': dot subs <d0>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '???????' in 'mbcsToSbcs': dot subs <b3>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on 'PROPERTY' in 'mbcsToSbcs': dot subs <d0>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[?]??????' in 'mbcsToSbcs': dot subs <be>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[????????' in 'mbcsToSbcs': dot subs <d1>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty
axis.lty, : conversion failure on '[?]??????' in 'mbcsToSbcs': dot subs
<81>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[???????]' in 'mbcsToSbcs': dot subs <d1>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on 'n 'mbcsToSbcs': dot subs <82>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '???????' in 'mbcsToSbcs': dot subs <d1>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty
axis.lty, : conversion failure on '????????' in 'mbcsToSbcs': dot subs
<80>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on 'n 'mbcsToSbcs': dot subs <d0>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[?]??????' in 'mbcsToSbcs': dot subs <bs>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '????????' in 'mbcsToSbcs': dot subs <d0>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[????????' in 'mbcsToSbcs': dot subs <by>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on 'n 'mbcsToSbcs': dot subst

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty
axis.lty, : conversion failure on '???????' in 'mbcsToSbcs': dot subst
<80>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on 'n 'mbcsToSbcs': dot subst <d1>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty
axis.lty, : conversion failure on 'PROPERTY' in 'mbcsToSbcs': dot subst
<96>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '???????' in 'mbcsToSbcs': dot subst <d0>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '???????' in 'mbcsToSbcs': dot subst <bo>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on 'n 'mbcsToSbcs': dot subst

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty
axis.lty, : conversion failure on '???????' in 'mbcsToSbcs': dot subst
<82>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on 'n 'mbcsToSbcs': dot subst <d0>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty
axis.lty, : conversion failure on '???????' in 'mbcsToSbcs': dot subst
<d1>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty
axis.lty, : conversion failure on '???????' in 'mbcsToSbcs': dot subst
<80>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '???????' in 'mbcsToSbcs': dot subst <d1>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on 'n 'mbcsToSbcs': dot subst <96>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[??????]' in 'mbcsToSbcs': dot subst <d0>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '???????' in 'mbcsToSbcs': dot subst <b7>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on 'n 'mbcsToSbcs': dot subst <d0>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on 'PROPERTY' in 'mbcsToSbcs': dot subst <bo>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty
axis.lty, : conversion failure on '???????' in 'mbcsToSbcs': dot subst
<d1>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty
axis.lty, : conversion failure on '???????' in 'mbcsToSbcs': dot subst
<82>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on ' $\boxed{2222222}$ ' in 'mbcsToSbcs': dot subst <d0>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty
axis.lty, : conversion failure on 'PROPERTY' in 'mbcsToSbcs': dot subst

b8>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[2][2][2][2][2]' in 'mbcsToSbcs': dot s for <b0>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[][][][][][] in 'mbcsToSbcs': dot s for <d1>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[2][2][2][2][2]' in 'mbcsToSbcs': dot s for <82>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[??????????']' in 'mbcsToSbcs': dot s for <be>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[2][2][2][2][2]' in 'mbcsToSbcs': dot s for <d1>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[2][2][2][2][2]' in 'mbcsToSbcs': dot s for <83>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[??????????']' in 'mbcsToSbcs': dot s for <b0>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[2][2][2][2][2]' in 'mbcsToSbcs': dot s for <b7>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[??????????']' in 'mbcsToSbcs': dot s for <b0>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[2][2][2][2][2]' in 'mbcsToSbcs': dot s for <be>

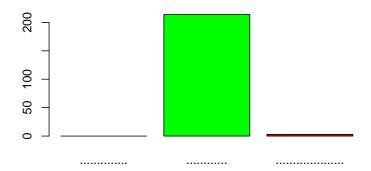
Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[][][][][][] in 'mbcsToSbcs': dot s for <d1>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[2][2][2][2][2]' in 'mbcsToSbcs': dot s for <87>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[??????????']' in 'mbcsToSbcs': dot s for <83>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[2][2][2][2][2]' in 'mbcsToSbcs': dot s for <b0>

Warning in axis(if (horiz) 2 else 1, at = at.1, labels = names.arg, lty axis.lty, : conversion failure on '[2][2][2][2][2]' in 'mbcsToSbcs': dot s for <82>



4 Summary

In summary, this book has no content whatsoever.

References