

#2020/12/25(五), 109 學年第一學期 資料科學應用 R 作業(7)

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> # (請依照規定)貼上執行程式碼及執行結果。

> #詳見: R 程式作業繳交方式

> #<http://www.hmwu.idv.tw/web/teaching/doc/R-how-homework.pdf>

> # ex2.30(a)

> answer <- read.table("data/answer.txt",header = TRUE)

> head(answer, 5)

Student V1 V2 V3 V4 V5 V6 V7 V8 V9 V10

1	s1	C	D	D	A	D	A	B	C	C	B
2	s2	B	D	B	D	D	A	C	D	B	B
3	s3	B	A	A	B	D	A	C	B	C	B
4	s4	B	D	B	A	B	C	C	D	C	B
5	s5	B	D	D	D	A	C	C	D	A	B

>

> # ex2.30(b)

> answer <- c("B", "D", "B", "D", "D", "A", "C", "D", "C", "B")

> x <- c("A", "D", "B", "D", "B", "A", "B", "D", "C", "B")

> correct.item <- which(x == answer)

> n.correct <- length(correct.item) \* 10

> correct.item

[1] 2 3 4 6 8 9 10

> n.correct

[1] 70

>

>

> # ex2.30(d)

> P <- order(data2\$answer, decreasing = TRUE)

Error in order(data2\$answer, decreasing = TRUE): 引數 1 不是向量

> topID <- which(data2\$answer >= 75)

> lowID <- which(data2\$answer <= 25)

> n.topID <- length(topID)

> n.lowID <- length(lowID)

> rownames(answer)[topID]

NULL

> rownames(answer)[lowID]

```
NULL
> n.topID
[1] 0
> n.lowID
[1] 0
>
```