學號: A107260093 姓名: 林芷妤 #(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 > # ex1 > study <- function(x){ + Tuition <- 400X+600Y 錯誤: unexpected symbol in: "study <- function(x){ Tuition <- 400X" > > } 錯誤: 未預期的 '}' in "}" > data.frame() data frame with 0 columns and 0 rows > > > # ex2(a) > library(readxl) > Score <- read excel("data/Score-109.xlsx", skip=2) > head(Score, 5) # A tibble: 5 x 3 No.1 `72` `62` <chr> <chr> <chr> 1 No.2 88 97 2 No.3 76 66 3 No.4 89 51 4 No.5 46 15 5 No.6 16 87 > tail(Score, 5) # A tibble: 5 x 3 No.1 `72` `62` <chr> <chr> <chr>

1 No.71 69

2 No.72 51

96

100

```
3 No.73 37
             50
4 No.74 33
             92
5 No.75 4
             37
> str(Score)
tibble [74 x 3] (S3: tbl_df/tbl/data.frame)
 $ No.1: chr [1:74] "No.2" "No.3" "No.4" "No.5" ...
 $ 72 : chr [1:74] "88" "76" "89" "46" ...
 $ 62 : chr [1:74] "97" "66" "51" "15" ...
>
> # ex2(b)
> Score <- sample(0:75, NA=0)& any(x < 60)
錯誤: 未預期的 '=' in "Score <- sample(0:75, NA="
> data.frame(Score)
    No.1 X72 X62
    No.2 88 97
1
2
    No.3 76 66
3
    No.4 89
              51
4
    No.5 46 15
5
          16
              87
    No.6
6
    No.7
          32
              51
7
         51
               0
    No.8
8
    No.9
         73
               1
9 No.10 99 14
10 No.11
           3 NA
11 No.12 15 83
12 No.13 74 50
13 No.14
           0 81
14 No.15
         39
               6
15 No.16 46 93
16 No.17
         39 81
17 No.18
         40 NA
18 No.19
         18 60
19 No.20
         96 72
20 No.21 45 51
21 No.22 33 72
              75
22 No.23 97
23 No.24 71
               9
```

- 24 No.25 65 40
- 25 No.26 39 29
- 26 No.27 70 62
- 27 No.28 NA 98
- 28 No.29 22 62
- 29 No.30 48 52
- 30 No.31 80 91
- 31 No.32 0 64
- 32 No.33 18 NA
- 33 No.34 68 25
- 34 No.35 37 21
- 35 No.36 36 61
- 36 No.37 87 38
- 37 No.38 91 NA
- 38 No.39 NA 38
- ______
- 39 No.40 13 80
- 40 No.41 79 91
- 41 No.42 NA 99
- 42 No.43 93 59
- 43 No.44 78 0
- 44 No.45 26 32
- 45 No.46 32 56
- 46 No.47 6 52
- 47 No.48 4 9
- 48 No.49 5 69
- 49 No.50 63 71
- 50 No.51 97 80
- 51 No.52 83 95
- 52 No.53 31 18
- 53 No.54 21 28
- 54 No.55 73 78
- 55 No.56 50 3
- 56 No.57 73 67
- 57 No.58 8 82
- 58 No.59 43 66
- 59 No.60 23 95
- 60 No.61 79 88
- 61 No.62 26 70

```
62 No.63 99 18
63 No.64 76
               9
64 No.65 98 81
65 No.66 22 52
66 No.67
         95 70
67 No.68
         15 21
68 No.69
         60 63
69 No.70 95 14
70 No.71 69 96
71 No.72 51 100
72 No.73
         37 50
73 No.74 33 92
74 No.75
         4 37
>
> # ex2(c)
> cor(Score)
錯誤: 'list' object cannot be coerced to type 'double'
> cor <- as.numeric
> cor()
numeric(0)
> cor <- my.cor(Score)
Error in my.cor(Score): 沒有這個函數 "my.cor"
> my.cor()
Error in my.cor(): 沒有這個函數 "my.cor"
> # ex2(d)
>
> # ex3(a)
> my.dnorm <- function(x){
    #µ <- 0
    #σ <- 1
+
     \mu < -mean(x)
+
    \sigma <- sd(x)
+ }
> my.dnorm(2.5, 3, 2)
```

```
Error in my.dnorm(2.5, 3, 2): unused arguments (3, 2)
> dnorm(2.5, 3, 2)
[1] 0.1933341
> # ex3(b)
> data.frame(my dnorm, dnorm)
錯誤: unexpected symbol in "data.frame(my dnorm" >
```