

#2020/12/11 資料科學應用 R 期中考

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```
> study <- function(x){
+   Eng.hr <- rep(13:17,5)
+   Comp.hr <- rep(8:12,each=5)
+   Tuition <- (x*400 + y*600)
+   Budget <- (Tuition <= 12000)
+ }
> #ex2(a)
> library(readxl)
> a <- read_excel("data/複本 Score-109.xlsx",skip = 1)
> head(a,5)
# A tibble: 5 x 3
  ID      Calculus English
  <chr> <chr>      <chr>
1 No.1  72          62
2 No.2  88          97
3 No.3  76          66
4 No.4  89          51
5 No.5  46          15
> tail(a,5)
# A tibble: 5 x 3
  ID      Calculus English
  <chr> <chr>      <chr>
1 No.71 69          96
2 No.72 51         100
3 No.73 37          50
4 No.74 33          92
5 No.75 4           37
> #ex2(b)
> a[is.na(a)]<-0
> b <- which((a$"Calculus" < 60)&(a$"English" < 60))
> b
[1] 5 7 8 15 21 26 30 35 45 46 47 53 54 56 66 68 72 73 75
> a[b,]
# A tibble: 19 x 3
  ID      Calculus English
```

	<chr>	<chr>	<chr>
1	No.5	46	15
2	No.7	32	51
3	No.8	51	0
4	No.15	39	6
5	No.21	45	51
6	No.26	39	29
7	No.30	48	52
8	No.35	37	21
9	No.45	26	32
10	No.46	32	56
11	No.47	6	52
12	No.53	31	18
13	No.54	21	28
14	No.56	50	3
15	No.66	22	52
16	No.68	15	21
17	No.72	51	100
18	No.73	37	50
19	No.75	4	37

```

> #ex2(c)
> my.cor <- function(X)
+ #ex3(a)
+ my.dnorm <- function(x,  $\mu$  =0,  $\sigma$  =1){
+   ans <- sum((e)/sqrt(2 $\pi$  $\sigma$ )^-)
錯誤: unexpected symbol in:
"my.dnorm <- function(x,  $\mu$  =0,  $\sigma$  =1){
  ans <- sum((e)/sqrt(2 $\pi$  $\sigma$ "
>
>
> }
錯誤: 未預期的 '}' in "}"
>

```