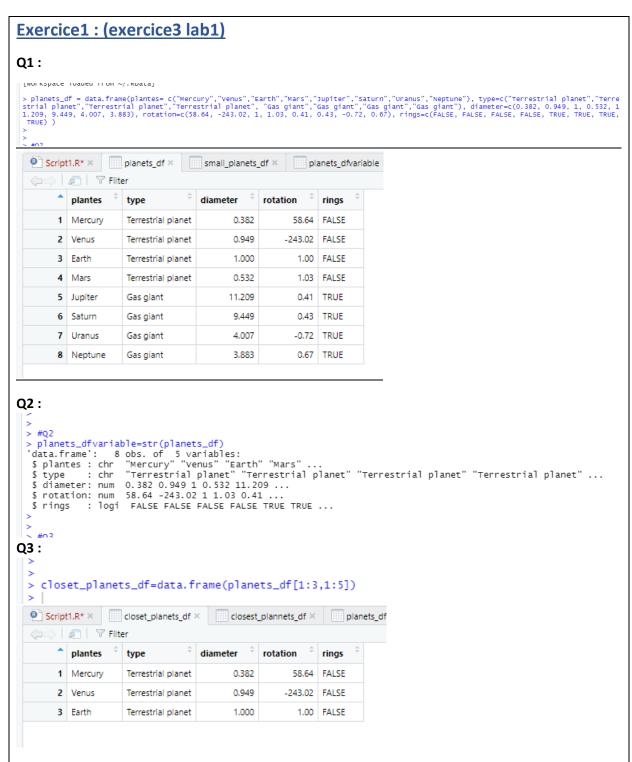
#### Introduction à l'analyse de données Mme Nada SBIHI

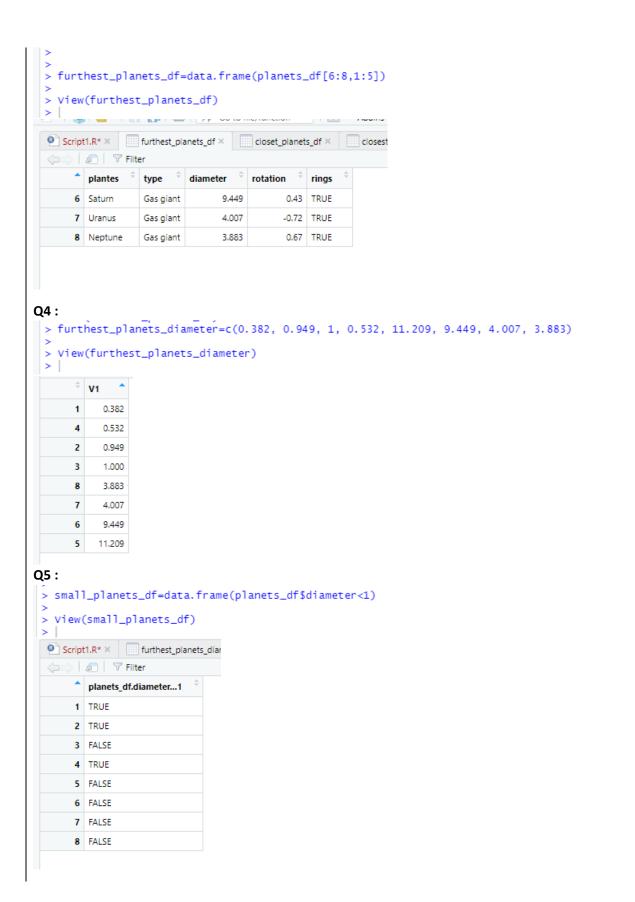
# Année Universitaire 2020/2021

Fait par : EL HANAFI Maha

# **Compte Rendu**

Lab2: Introduction to R





## **Exercice 2:**

```
125 #Exercice2
126 #Q1
127 site="linkedin"
128 site
129 nview=14
130 nview
131
132 #Q2
133 if(site=="linkedin")
134 + {
print("Showing linkedin information")
136 ^ }
137 if(nview>10 & nview<=15)
138 * {
139 print("Your number of views is average")
140 ^ }
 > #Q1
 > site="linkedin"
 > site
[1] "linkedin"
  > nview=14
  > nview
 [1] 14
  > if(site=="linkedin")
      print("Showing linkedin information")
 [1] "Showing linkedin information"
> if(nview>10 & nview<=15)
       print("Your number of views is average")
 [1] "Your number of views is average"
```

## **Exercice 3:**

```
142 #Exercice3
143 speed=64
144
145 - while(speed>30){
146  print(paste("your speeed is",speed))
147
        if(speed>48) {
  print(paste("slow down big time",speed))
148 -
149
150
          speed =speed-11
151
        }else {
152 -
          print(paste("Slow DOWN!", speed))
153
154
          speed= speed-6
155 -
156 ^ }
```

#### Exercice4:

## **Exercice5:**

## **Exercice6:**

```
Q1:
 > #Exercice6:
 > #Q1
 > linkedin<-c(16,9,13,5,NA,17,14)
> facebook<-c(17,NA,5,16,8,13,14)
Q2:
 > #Q2
  > mean(linkedin)
 [1] NA
Q3:
 > #Q3
> mean(facebook, na.rm=TRUE)
[1] 12.16667
Q4:
 > MAD=mean(abs(linkedin-facebook), na.rm=TRUE)
 > MAD
 [1] 4.8
Exercice7:
```

```
Q1:
 220 #Exercice7
 221
 222 #01
 223 linkedin<-c(16,9,13,5,5,17,14)
224 facebook<-c(17,7,5,16,8,13,14)
 225
 226 interpret = function(i)
  227 ▼ {
              if(i>15)
 228
              {print("You are populare!")
  229 +
 230 -
                  return(i)}
              else{
 231 -
                print("Try to be more visible!")
  232
                  return(0)
 233
 234 -
 235 4 }
 236 interpret(linkedin[2])
 237
 238
+ )
> interpret(linkedin[2])
  [1] "Try to be more visible!"
 [1] 0
 | > Ī
Q2:
     238
     239 interpretall = function(vec, lo=TRUE)
      241
                  sum=0
                  for(e in vec)
      242
      243 -
      244 -
                     if(interpret(e)!=0){
      245
                           sum=sum+e
     246 -
                     }
     247 -
                  if(lo==TRUE){
     248 -
     249
                    return(sum)
      250 +
                  }else{
      251
                     return(0)
     252 *
      253 4 }
     interpretall(facebook,TRUE)
interpretall(linkedin, TRUE)
      256
  interpretall(facebook,TRUE)
[1] "You are populare!"
[1] "Try to be more visible!"
[1] "You are populare!"
[1] "You are populare!"
[1] "Try to be more visible!"
   [1] 33
  > interpretall(linkedin, TRUE)
[1] "You are populare!"
[1] "Try to be more visible!"
[1] "Try to be more visible!"
   [1] "Try to be more visible!"
[1] "Try to be more visible!"
   [1] "You are populare!"
[1] "Try to be more visible!"
   [1] 33
```