

Họ và tên: Phạm Văn Linh

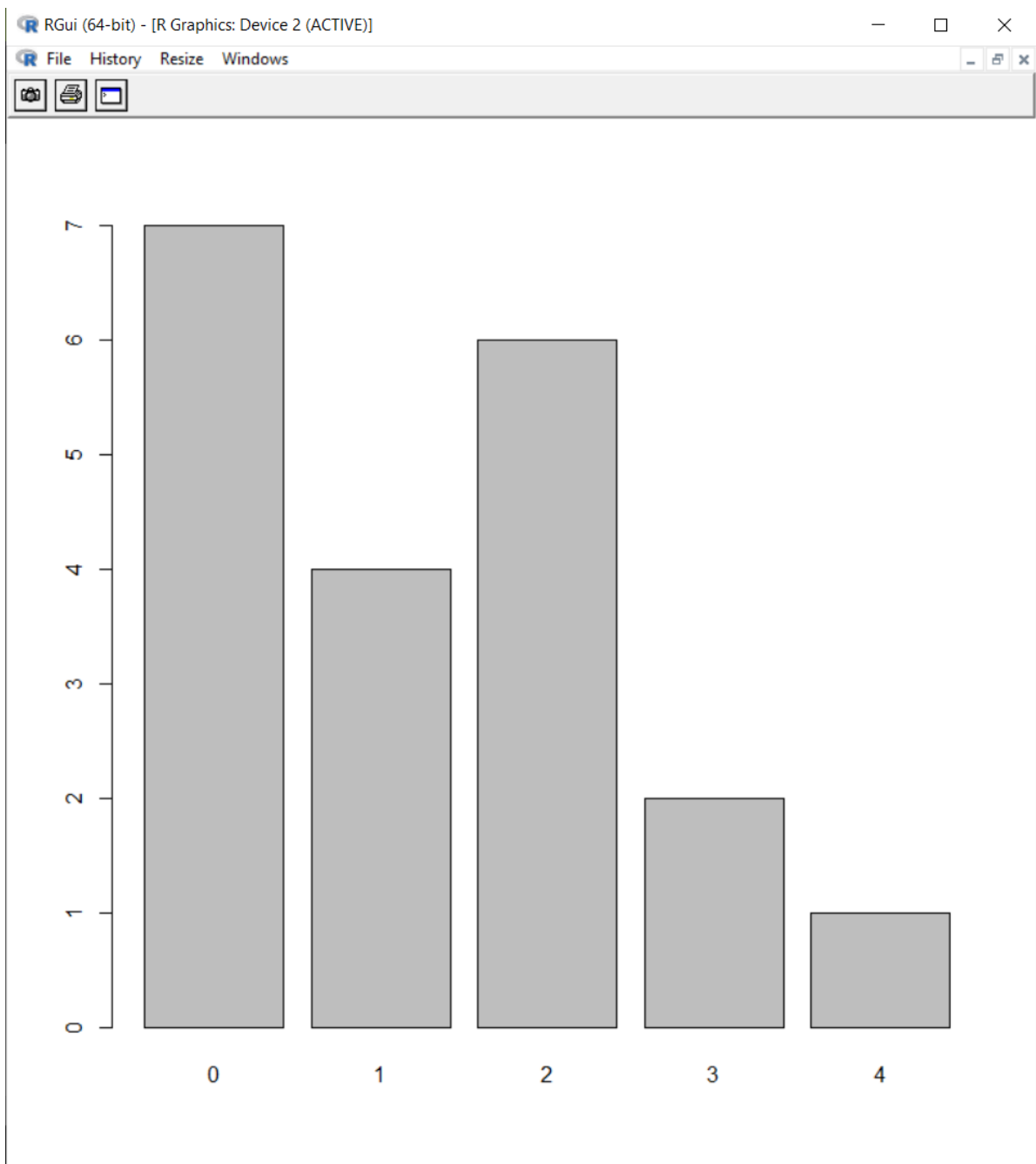
Lớp : CNTT6

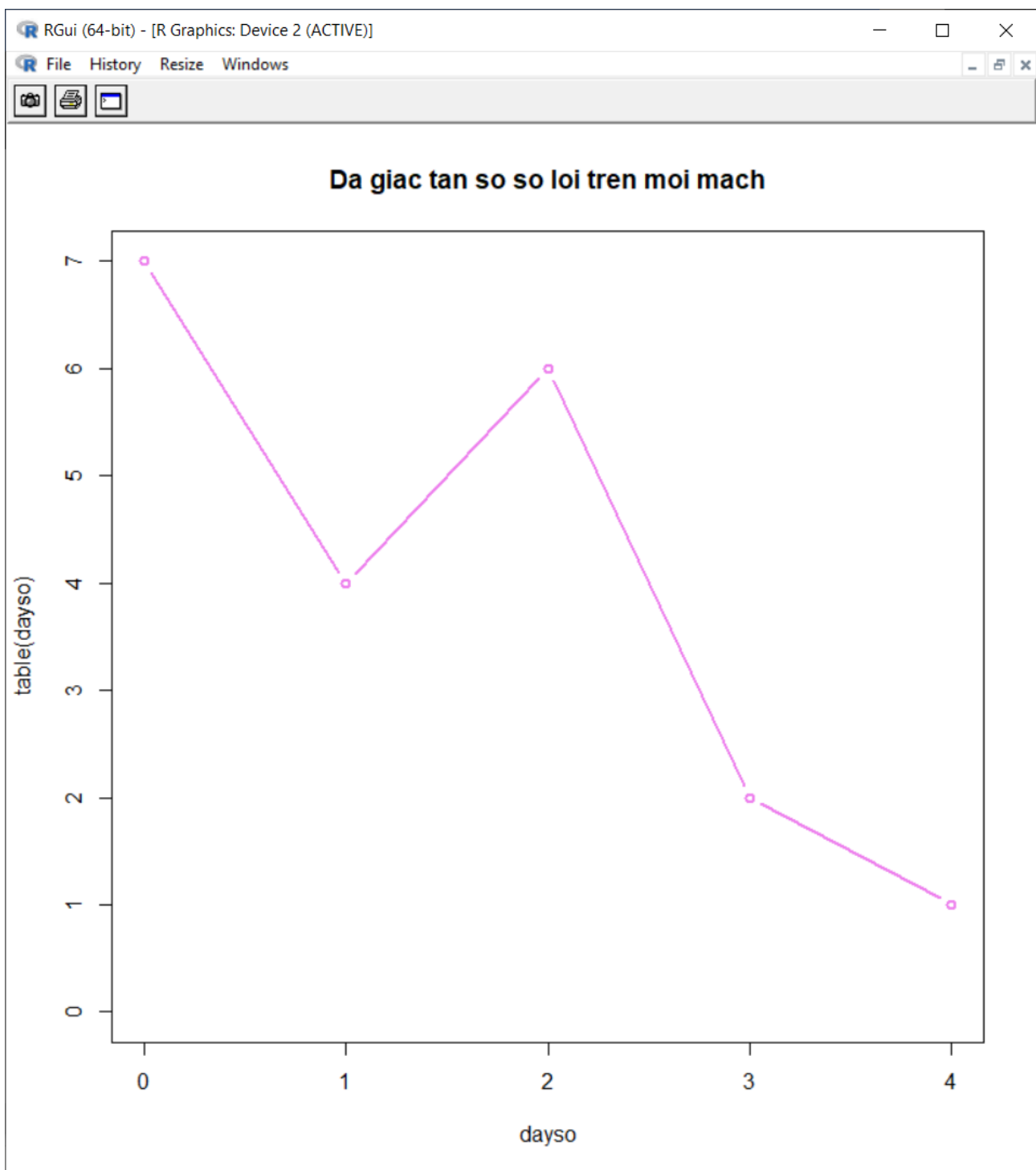
MSV : 211202119

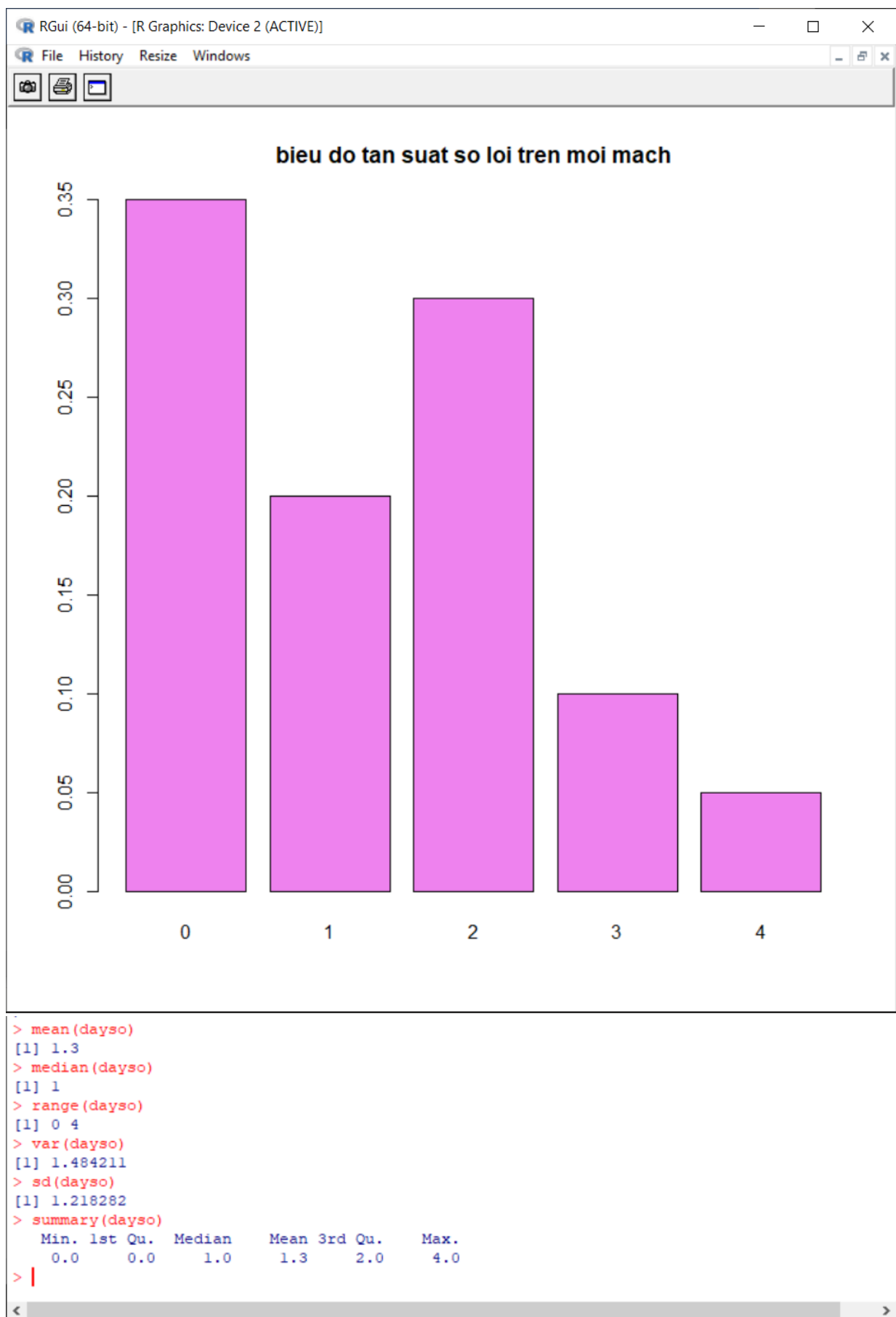
Bài 1:

```
> dayso<-c(0,1,3,2,1,2,2,2,3,4,1,0,0,1,0,2,0,0,2,0)
> dayso
[1] 0 1 3 2 1 2 2 2 3 4 1 0 0 1 0 2 0 0 2 0
> table(x, exclude=0)

> table(dayso)
dayso
0 1 2 3 4
7 4 6 2 1
> prop.table(table(dayso))
dayso
 0    1    2    3    4
0.35 0.20 0.30 0.10 0.05
```

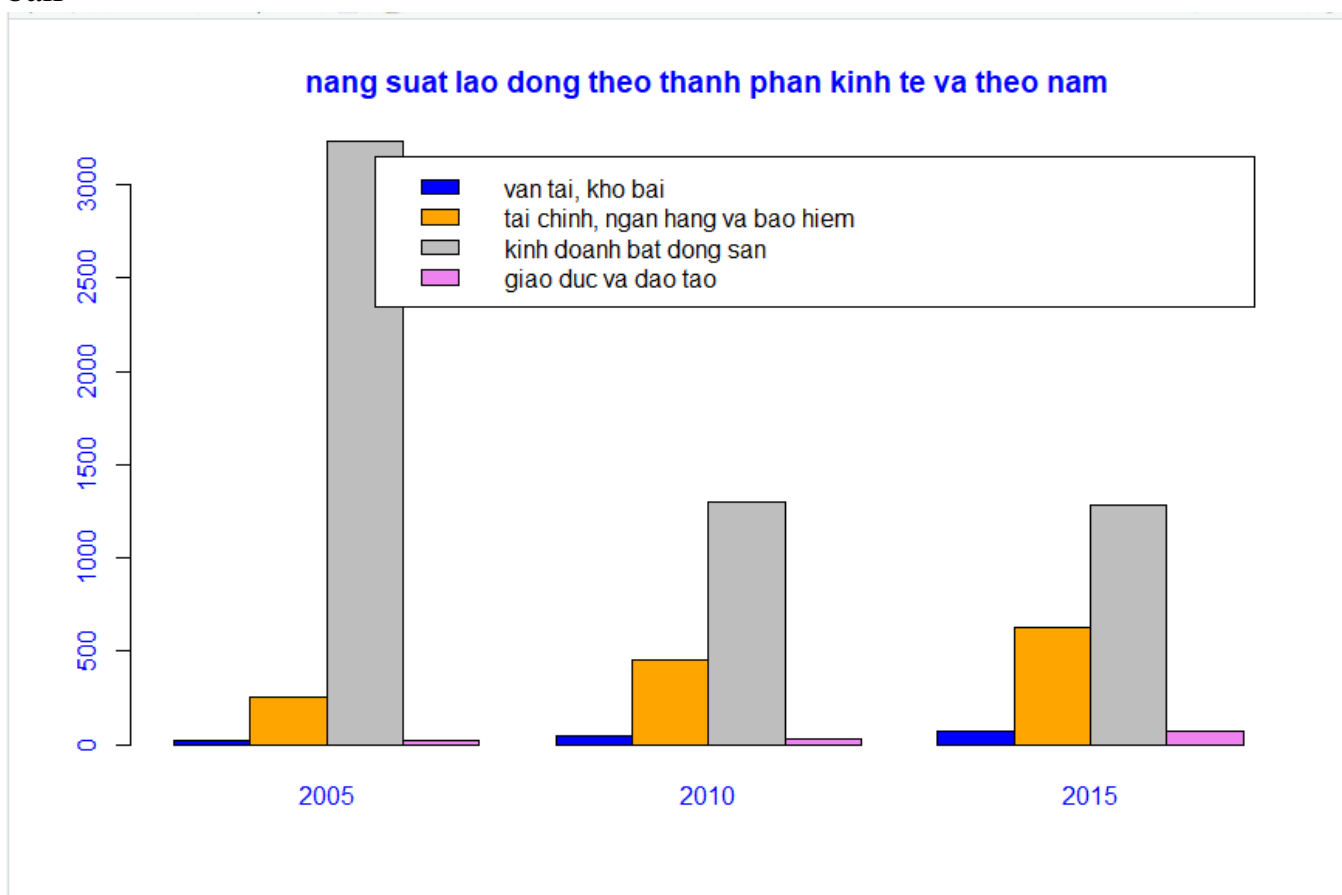




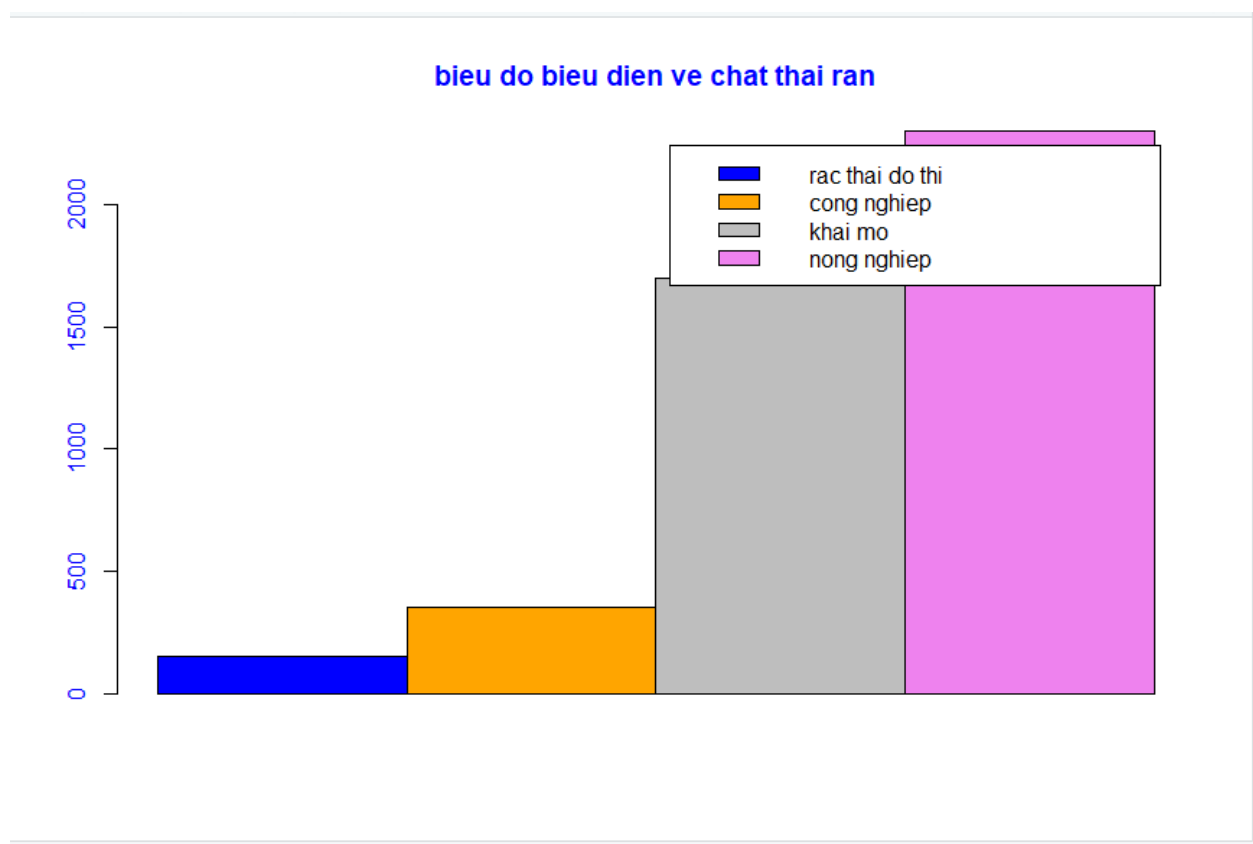


Bài 2:

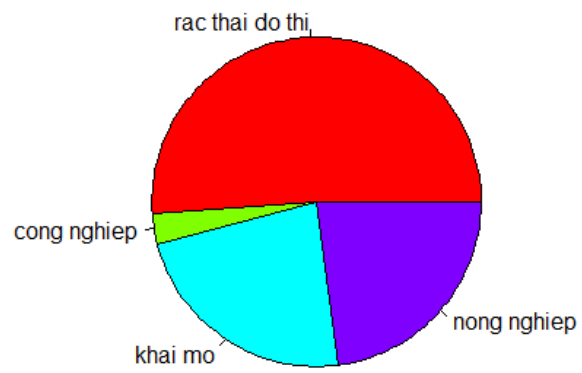
baif



bài 3:

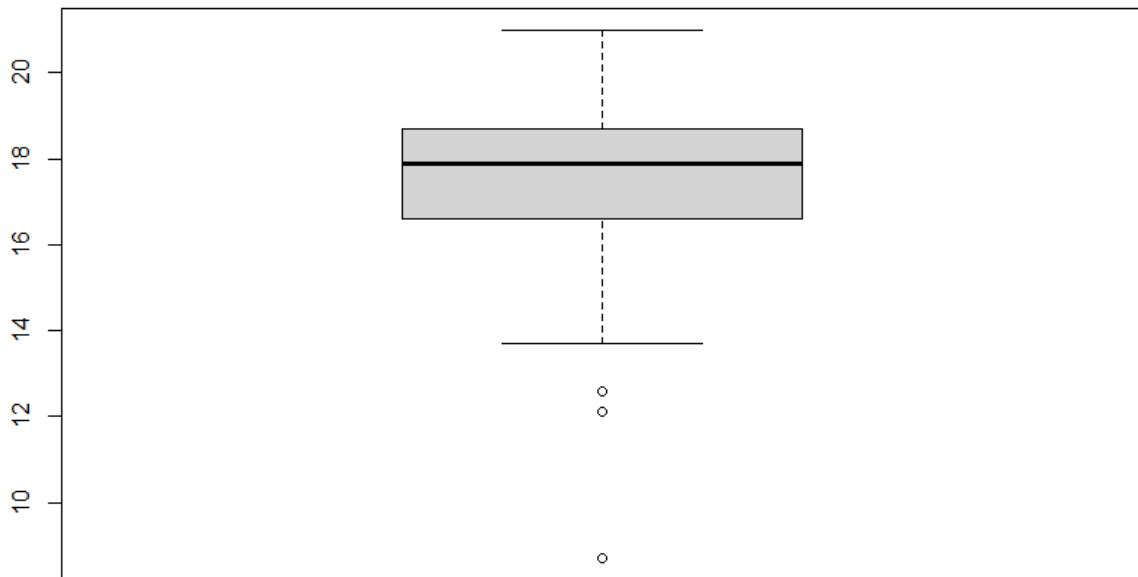


biểu đồ biểu diễn chất rắn



Bài 4:

```
> summary(bai4)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
   8.7   16.6   17.9   17.3   18.7   21.0
> |
```



```
> bai4<-c(8.7,12.1,12.6,13.7,13.7,14.8,15.1,15.4,15.9,16.2,16.4,16.8,16.8,17.1,17.2,17.3,17.4,17.6,17.7,17.7,17.9,18,18.1,18.2,18.4,18.5,18.6,18.6,18.7,18.9,19.1,19.1,19.1,19.5,19.5,19.5,20.2,21,16.6,17.9,18.9)
> n<-length(bai4)
> n
[1] 42
> k<-1+3.3*log(42,base=10)
> k
[1] 6.356723
> min(bai4)
[1] 8.7
> max(bai4)
[1] 21
> dorong(21-8.7)/6
Error in dorong(21 - 8.7) : could not find function "dorong"
> dorong<-(21-8.7)/6
> dorong
[1] 2.05
> bai41<-cut(bai4,breaks = c(8.7,10.8,12.8,14.8,16.8,18.8,21),right=FALSE)
> table(bai41)
bai41
[8.7,10.8) [10.8,12.8) [12.8,14.8) [14.8,16.8)
      1          2          2          7
[16.8,18.8) [18.8,21)
     20          9
> table(bai41
+ )
bai41
[8.7,10.8) [10.8,12.8) [12.8,14.8) [14.8,16.8) [16.8,18.8) [18.8,21)
      1          2          2          7         20          9
```


Bài 5:

```
> dautua<-c(30.00,6.93,13.77,-8.55,-2.13,-13.24,22.42,-5.29,4.30,-18.95,34.40,-7.04,25.9.43,49.87,-12.11,12.89,1.21,22.92,12.89,-20.24,31.76,20.95,63,1.20,11.07,43.71,-19.27,-2.59,8.47,-12.83,-9.22,33.00,36.08,0.52,-17,14.26,-21.95,61,17.30,-15.83,10.33,-11.96,52,0.63,12.68,1.94,38,13.09,28.45)
> n<-c(dautua)
> n<-length(dautua)
> n
[1] 50
> dautub<-c(30.33,-34.75,30.31,24.30,-30.37,54.19,6.06,-10.01,-5.61,44,14.73,35.24,29,-20.23,36.13,40.70,-26.01,4.16,1.53,22.18,0.46,10.03,17.61,3.24,2.07,10.51,1.20,25.10,29.44,39.04,9.94,-24.24,11,24.76,-33.39,-38.47,-25.93,15.28,58.67,13.44,8.29,34.21,0.25,68,61,52,5.23,-20.44,-32.17,66)
> n<-length(dautub)
> n
[1] 50
> mean(dautua)
[1] 10.9454
> mean(dautub)
[1] 12.7602
> sd(dautua)
[1] 21.89401
> sd(dautub)
[1] 28.04676

> summary(dautua)
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
-21.950  -6.603   9.880  10.945  24.480  63.000
> summary(dautub)
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
-38.4700   0.3025  10.7550   12.7602  30.3250  68.0000
> mean(dautua)
[1] 10.9454
>
> mean(dautub)
[1] 12.7602
> k <- 1+3.3*log(50, base=10)
> k
[1] 6.606601
> doronga<-(63-(-21.950))/7
> doronga
[1] 12.13571
> dorongb<-(68+38.47)/7
> dorongb
[1] 15.21
```

