

```
D:\Toate\Facultate al\3.Anul al III-lea\Statistica\My_Work\Tema3.r - Notepad++
File Edit Search View Encoding Language Settings Macro Run Plugins Window ?
new 1 new 2 tema3 (1).bt Tema1.r Tema2.r Tema3.r
1 confidenceInterval <- function(my_confidence){CRLE
2 CRLE
3   my_table = read.table("D:\\Toate\\Facultate al\\3.Anul al III-lea\\St
4   header = T )CRLE
5   print (my_table[,2])CRLE
6   CRLE
7   my_length = length(my_table[,12])CRLE
8   CRLE
9   my_variable = qt(1-(my_confidence/2),my_length)CRLE
10  my_mean = mean(my_table[,12])CRLE
11  sum = 0CRLE
12  CRLE
13  for(i in 1:my_length){CRLE
14    CRLE
15    sum = sum + (my_table[i,12]-my_mean)^2CRLE
16    CRLE
17  }CRLE
18  CRLE
19  sum = sqrt( sum / ( my_length-1 ) )CRLE
20  CRLE
21  lower_endpoint = my_mean - my_variable * (sum / sqrt( my_length ))CRLE
22  upper_endpoint = my_mean + my_variable * (sum / sqrt( my_length ))CRLE
23  CRLE
24  CRLE
25  print(paste0(" Pentru ", my_length, " inregistrari de medie ", my_m
26  print(paste0("si de dispersie ", sum))CRLE
27  print("intervalul de incredere este: ")CRLE
28  print(paste0(" [ ", lower_endpoint, " ", upper_endpoint, " ] . " )CRLE
29  CRLE
30  CRLE
31 }
```

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RGui (64-bit)
File Edit View Misc Packages Windows Help
Load workspace
R Console
> confidenceInterval(0.5)
[1] 62.6
[1] " Pentru 235 inregistrari de medie 51.5144680851064"
[1] "si de dispersie 45.0659578729969"
[1] "intervalul de incredere este: "
[1] "[ 49.5285440222111, 53.5003921480017 ]. "
> confidenceInterval(0.3)
[1] 62.6
[1] " Pentru 235 inregistrari de medie 51.5144680851064"
[1] "si de dispersie 45.0659578729969"
[1] "intervalul de incredere este: "
[1] "[ 48.4608448678917, 54.5680913023211 ]. "
> confidenceInterval(0.1)
[1] 62.6
[1] " Pentru 235 inregistrari de medie 51.5144680851064"
[1] "si de dispersie 45.0659578729969"
[1] "intervalul de incredere este: "
[1] "[ 46.659824307686, 56.3691118625267 ]. "
> confidenceInterval(0.99)
[1] 62.6
[1] " Pentru 235 inregistrari de medie 51.5144680851064"
[1] "si de dispersie 45.0659578729969"
[1] "intervalul de incredere este: "
[1] "[ 51.4775832309346, 51.5513529392782 ]. "
> confidenceInterval(0.75)
[1] 62.6
[1] " Pentru 235 inregistrari de medie 51.5144680851064"
[1] "si de dispersie 45.0659578729969"
[1] "intervalul de incredere este: "
[1] "[ 50.5766402695364, 52.4522959006764 ]. "
> confidenceInterval(1)
[1] 62.6
[1] " Pentru 235 inregistrari de medie 51.5144680851064"
[1] "si de dispersie 45.0659578729969"
[1] "intervalul de incredere este: "
[1] "[ 51.5144680851064, 51.5144680851064 ]. "
> |
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