

SHETH LUJ AND SIR MV COLLEGE

Aim: Exploring data: View() or print()



The screenshot shows an RStudio interface with two tabs open: 'S080_3.R*' and 'school_attendance'. The code in the editor window is as follows:

```
1 install.packages(c("readr", "psych"))
2
3 library(readr)
4 library(psych)
5
6 my_data <- read.csv("C:/Users/info/downloads/school_attendance.csv")
7
8 head(school_attendance)
9
10 tail(school_attendance)
11
12 dim(school_attendance)
13
14 cat("Dimensions (Rows, columns):", dim(school_attendance), "\n")
15
16 str(school_attendance)
17
18 summary(school_attendance)
19
20 names(school_attendance)
21 cat("column Names : ", names(school_attendance), "\n")
22 |
```

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The screenshot shows an RStudio interface with a code editor and a console window.

Code Editor:

```
S080_3.R* school_attendance
Source on Save Run
1 install.packages(c("readr", "psych"))
22:1 [Top Level] ↴
```

Console Output:

```
R 4.5.1 . ~/ 
package 'readr' successfully unpacked and MD5 sums checked
package 'psych' successfully unpacked and MD5 sums checked

The downloaded binary packages are in
  c:\users\info\AppData\Local\Temp\RtmpskQVix\downloaded_packages
> library(readr)

Warning message:
package 'readr' was built under R version 4.5.2

> library(psych)

Warning message:
package 'psych' was built under R version 4.5.2

> my_data <- read.csv("c:\users\info\downloads\school_attendance.csv")
Error: '\u' used without hex digits in character string (<input>:1:25)
```

```
> head(school_attendance)
  School.DBN Date Enrolled Absent Present Released
1 01M015 20180905     172    19    153      0
2 01M015 20180906     171    17    154      0
3 01M015 20180907     172    14    158      0
4 01M015 20180912     173     7    166      0
5 01M015 20180913     173     9    164      0
6 01M015 20180914     173    11    162      0
> tail(school_attendance)
  School.DBN Date Enrolled Absent Present Released
277148 79X695 20190619     228    16     53    159
277149 79X695 20190620     230    46    136     48
277150 79X695 20190621     226    53    128     45
277151 79X695 20190624     226    42    130     54
277152 79X695 20190625     226    56    127     43
277153 79X695 20190626     216    27     68    121
> dim(school_attendance)
[1] 277153      6
> cat("Dimensions (Rows, columns):", dim(school_attendance), "\n")
```

System Status Bar:

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Screenshot of an RStudio session showing code execution and output.

The session starts with:

```
1 install.packages(c("readr", "psych"))
```

Then displays the contents of the `school_attendance` dataset:

```
277152    79X695 20190625    226    56    127    43
277153    79X695 20190626    216    27     68    121
> dim(school_attendance)
[1] 277153      6
> cat("Dimensions (Rows, columns):", dim(school_attendance), "\n")
Dimensions (Rows, columns): 277153 6
> str(school_attendance)
'data.frame': 277153 obs. of 6 variables:
 $ School.DBN: chr "01M015" "01M015" "01M015" "01M015" ...
 $ Date       : int 20180905 20180906 20180907 20180912 20180913 20180914 20180917 20180918 20180920 20
180921 ...
 $ Enrolled   : int 172 171 172 173 173 173 173 174 174 174 ...
 $ Absent     : int 19 17 14 7 9 11 10 7 7 8 ...
 $ Present    : int 153 154 158 166 164 162 163 167 167 166 ...
 $ Released   : int 0 0 0 0 0 0 0 0 0 0 ...
> summary(school_attendance)
   School.DBN           Date        Enrolled       Absent       Present
Length:277153   Min.   :20180904   Min.   : 1   Min.   : 0.0   Min.   : 1.0
Class :character  1st Qu.:20181113  1st Qu.: 329  1st Qu.: 23.0  1st Qu.: 291.0
Mode  :character  Median :20190129  Median : 476  Median : 38.0  Median : 430.0
                  Mean   :20186649  Mean   : 597  Mean   : 50.5  Mean   : 544.5
                  3rd Qu.:20190410  3rd Qu.: 684  3rd Qu.: 59.0  3rd Qu.: 640.0
                  Max.   :20190626  Max.   :5955   Max.   :2151.0  Max.   :5847.0
   Released
Min.   : 0.000
1st Qu.: 0.000
Median : 0.000
Mean   : 1.983
3rd Qu.: 0.000
Max.   :5904.000
> names(school_attendance)
[1] "School.DBN" "Date"      "Enrolled"  "Absent"    "Present"   "Released"
```

Finally, it shows the column names again:

```
> at("Column Names : ", names(school_attendance), "\n")
```