

# Sheth I.u.j. And sir m.v. college of arts science and commerce

Creating datasets from raw data (text files, CSV files, Excel sheets) and importing data into SAS/SPSS/R.

output

The screenshot shows the RStudio interface with the 'Import Excel Data' dialog box open. The 'File/URL:' field contains 'C:/Users/mvluc/Downloads/Student Mental health.xlsx'. The 'Data Preview:' section shows the first 50 entries of the dataset. The 'Import Options:' section includes fields for 'Name' (set to 'Student\_Mental\_health\_xls'), 'Max Rows' (set to 100), 'Sheet' (set to 'Default'), 'Range' (set to 'A1:D10'), and checkboxes for 'First Row as Names' and 'Open Data Viewer'. The 'Code Preview:' section displays the R code used to import the data: `library(readxl)  
student_Mental_health_xls <- read_excel("C:/Users/mvluc/downloads/student Mental health.xlsx")  
view(student_Mental_health_xls)`. The 'Import' button is visible at the bottom right of the dialog.

The screenshot shows the RStudio interface with the 'student\_scores' data frame displayed in the main pane. The data frame has columns: ID, Temperature, Humidity, and Pressure. The rows show values for 10 different observations. The 'Global Environment' panel on the right lists variables: 'student\_scores' (11 obs. of 2 variables), 'temp' (10 obs. of 4 variables), 'Values' (pkg\_ref: "stats", topi: "women", topic: "family"), and 'Data' (temp). The 'Files' panel shows a directory structure with files like '.History', 'apache-maven-3.9.11-bin', 'apache-maven-3.9.11-bin.zip', 'apache-tomcat-9.0.109-windows-x64', 'apache-tomcat-9.0.109-windows-x64.zip', 'Arduino', 'Default.rdp', 'desktop.ini', 'greenplant', 'index.html', 'json-20240303.jar', and 'My Music'. The 'Console' tab at the bottom shows some R session details.

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**RStudio Session 1 (Top Level):**

```

1 tips <- read.csv("C:/Users/mvluc/downloads/simranpython/tips.csv", stringsAsFactors=TRUE)
2 View(tips)
3 lm(tip~size)
4 attach(tips)
5

```

**RStudio Session 2 (Bottom Level):**

```

R + R 4.5.2 - ~/aux/
> Student_Mental_health.xls <- read_excel("c:/users/mvluc/downloads/student mental health.xls.xlsx")
> View(Student_Mental_health.xls)
> tips <- read.csv("C:/Users/mvluc/downloads/simranpython/tips.csv", stringsAsFactors=TRUE)
> View(tips)
> View(tips)
> attach(tips)
> lm(tip~size)

Call:
lm(formula = tip ~ size)

Coefficients:
(Intercept)      size
     1.1691       0.7118

```

**Environment:**

- tips
- student\_Mental\_health.xls

**Data:**

group1	group2	install.package	sample_data	x	y
101 obs. of 11 variables	244 obs. of 7 variables	"bada"	num [1:10] 25 25 10	10	20

**Files:**

- .RData
- .History
- Custom Office Templates
- Database1.accdb
- Database2.accdb
- Database3.accdb
- Database4.accdb
- Database5.accdb
- desktop.ini
- dollar.c
- dollar.exe
- employee.accdb
- functions.c
- functions.exe
- GIS DataBase
- HealthCalculatorApp
- IISExpress

**RStudio Session 2 (Bottom Level):**

```

R + R 4.5.2 - ~/aux/
0.24581 0.09838

```

**RStudio Session 3 (Bottom Level):**

```

> temp <- read.csv("~/temp.txt", stringsAsFactors=TRUE)
> lm(ID ~ Pressure)
3 attach(temp)

Call:
lm(formula = ID ~ Pressure)

Coefficients:
(Intercept)      Pressure
     3857.286       -3.799

```

**Environment:**

- temp
- student\_scores

**Data:**

student_scores	temp
11 obs. of 2 variables	10 obs. of 4 variables

**Values:**

pkg_ref	topic	topic
"stats"	"women"	"family"

**Files:**

- .History
- apache-maven-3.9.11-bin
- apache-maven-3.9.11-bin.zip
- apache-tomcat-9.0.109-windows-x64
- apache-tomcat-9.0.109-windows-x64.zip
- Arduino
- Default.rdp
- desktop.ini
- greplant
- index.html
- json-20240303.jar
- My Music
- My Pictures

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