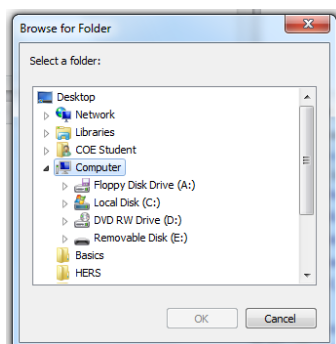
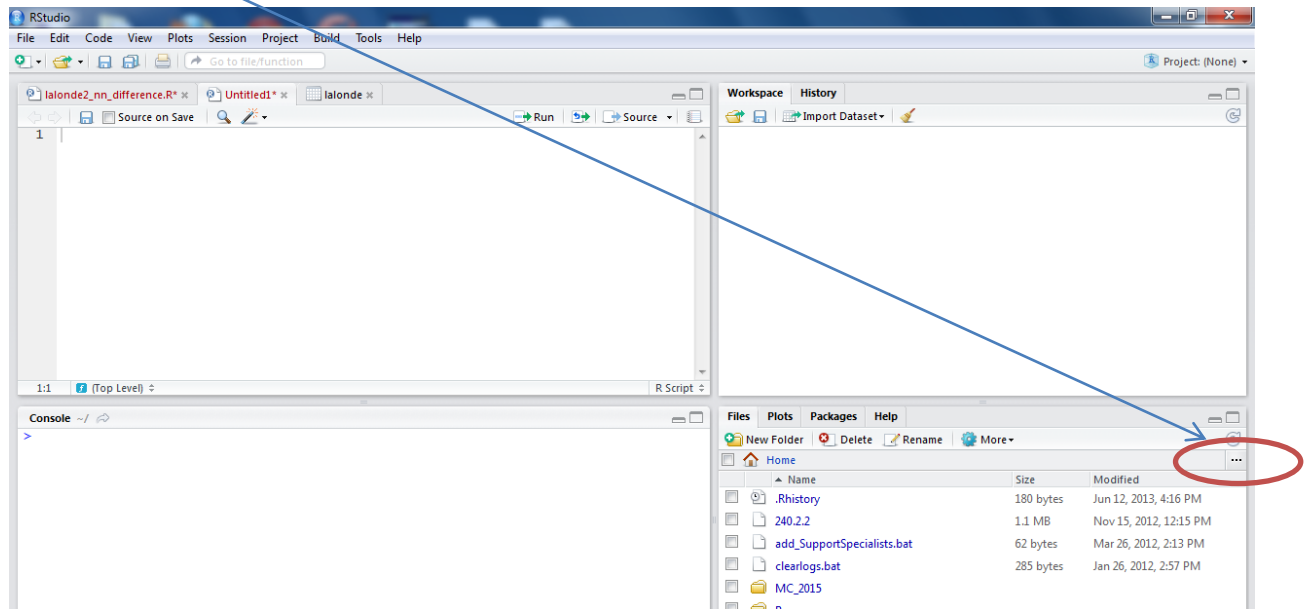


STEPS IN LOADING DATA AND R SCRIPTS (.R, .rda AND CSV FORMAT)

Step 1

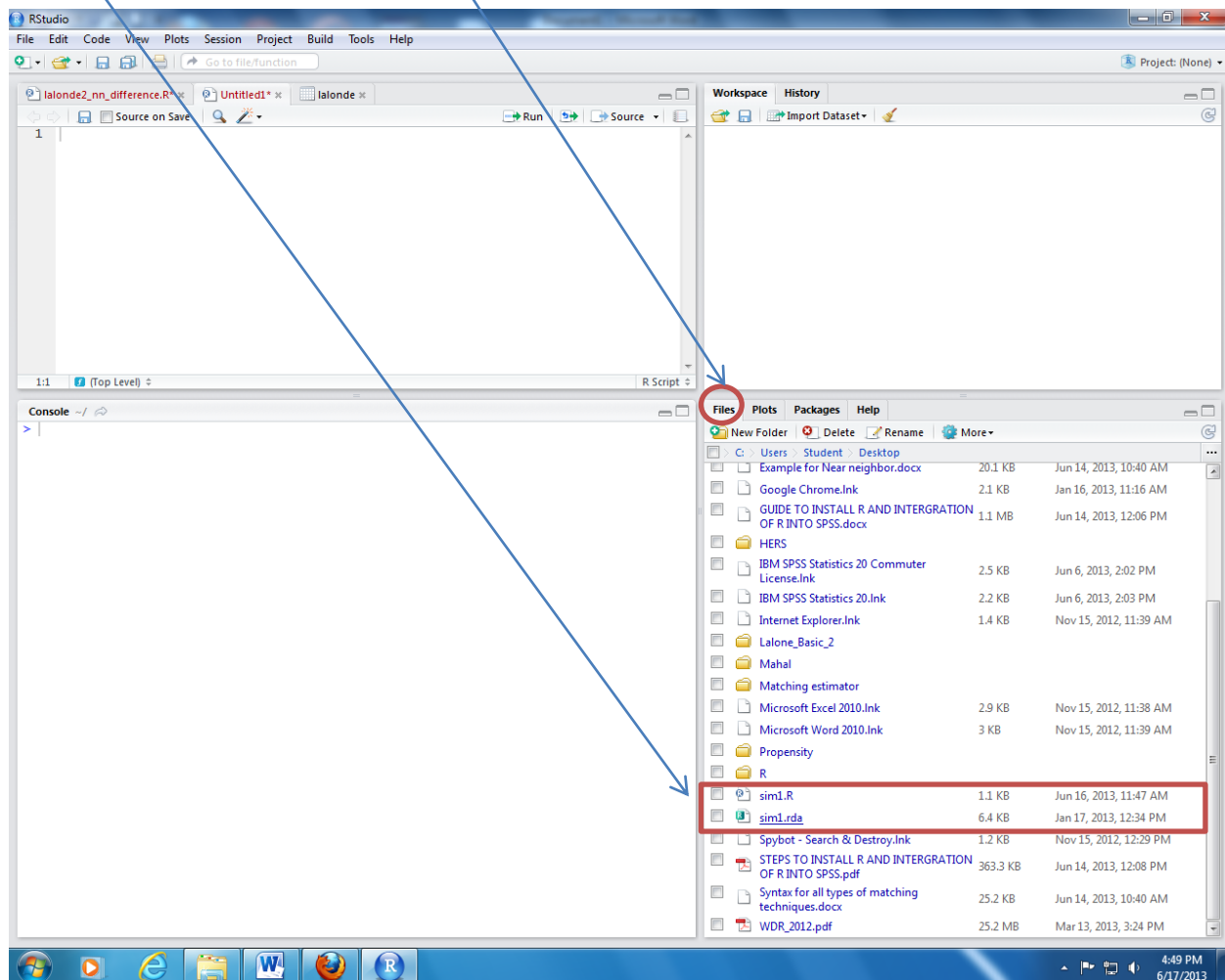
Click the (...) icon and select the location where the data was saved (eg, desktop)



Select the location of the file

Step 2

The saved file will appear under the FILES tab



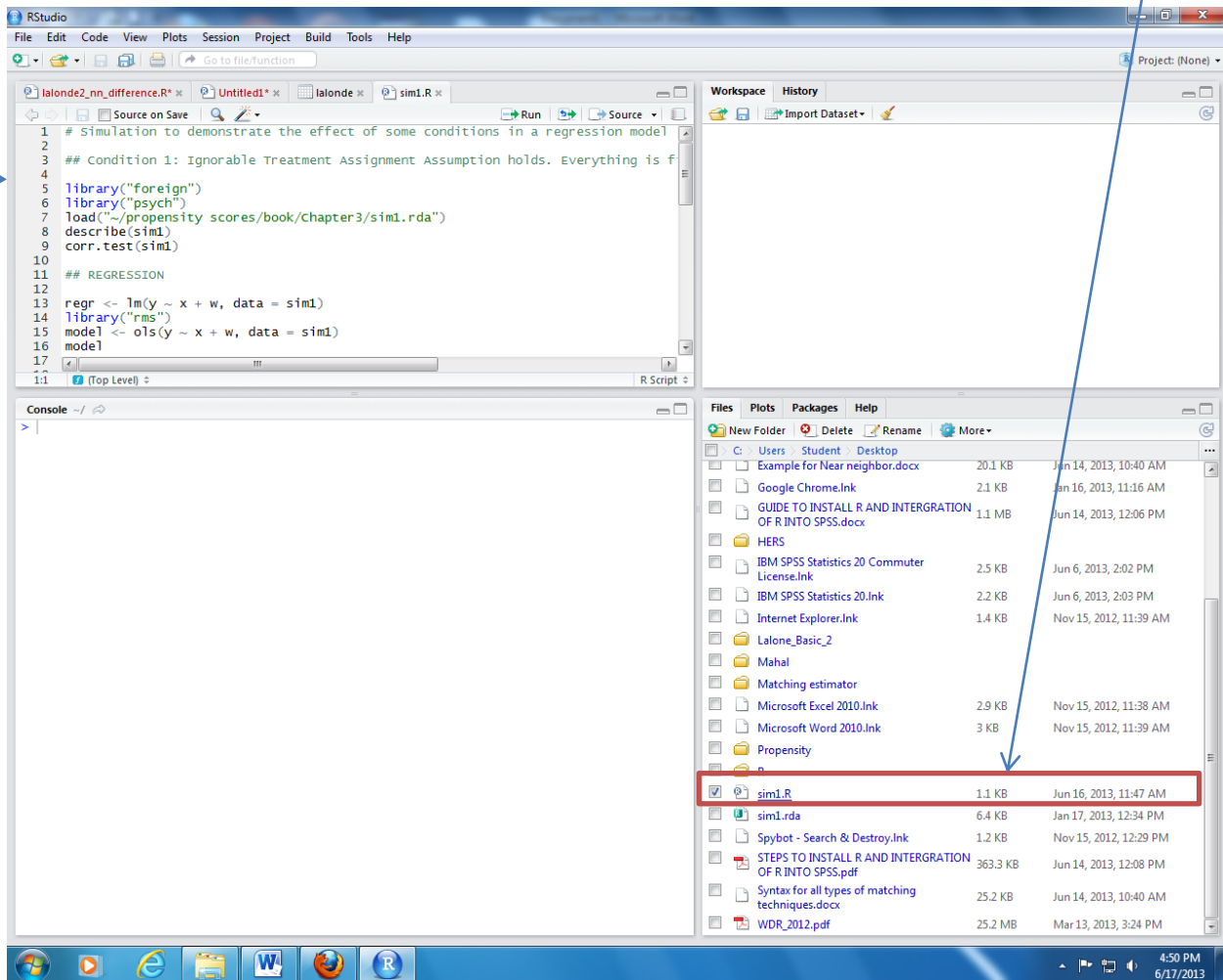
Notes: Files that are saved as .R are the syntax file (R script)

Files that are saved as .rda are the data file in R

Step 3

Check the box for the R script and click on the file

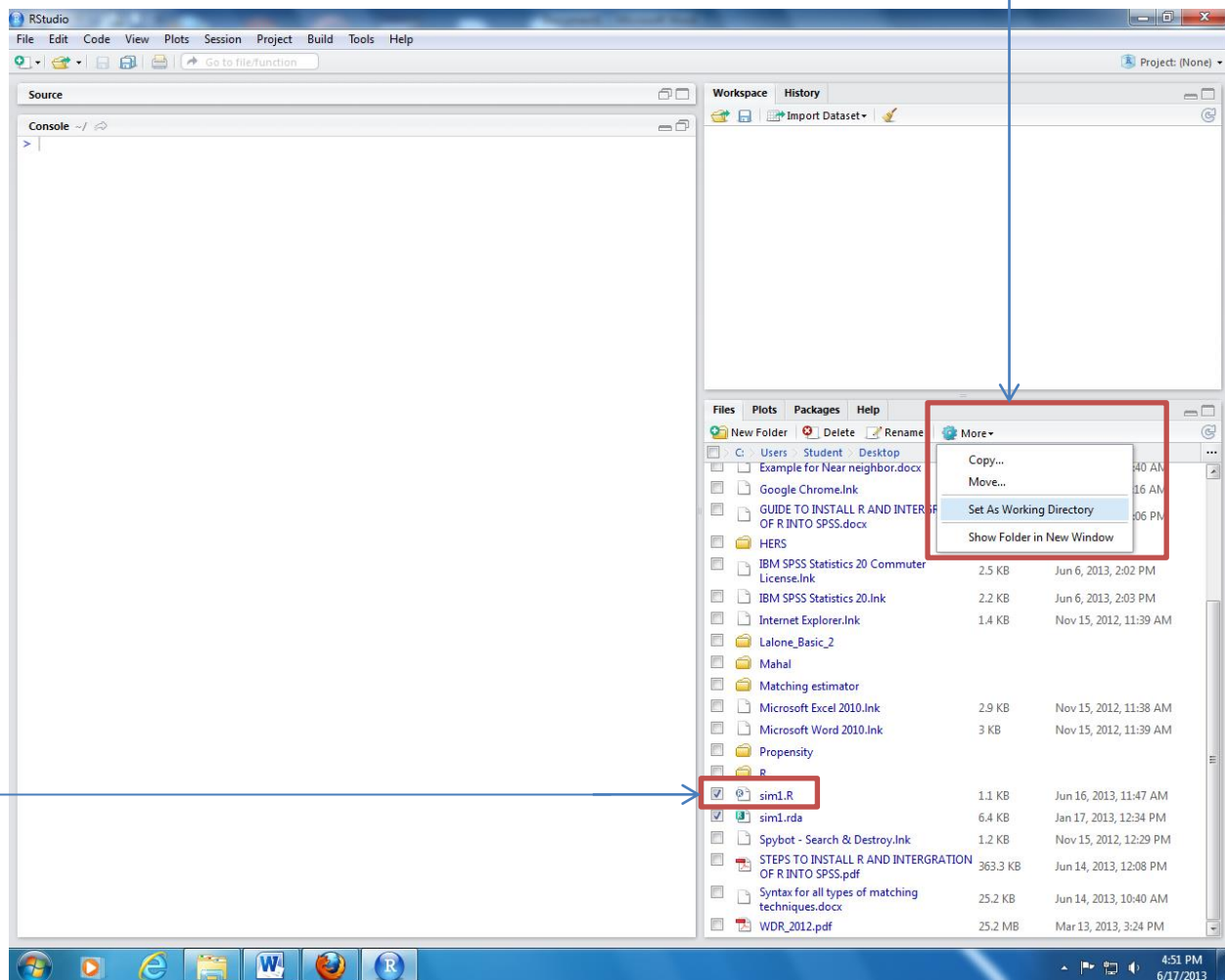
The script will appear on the source window



Step 4

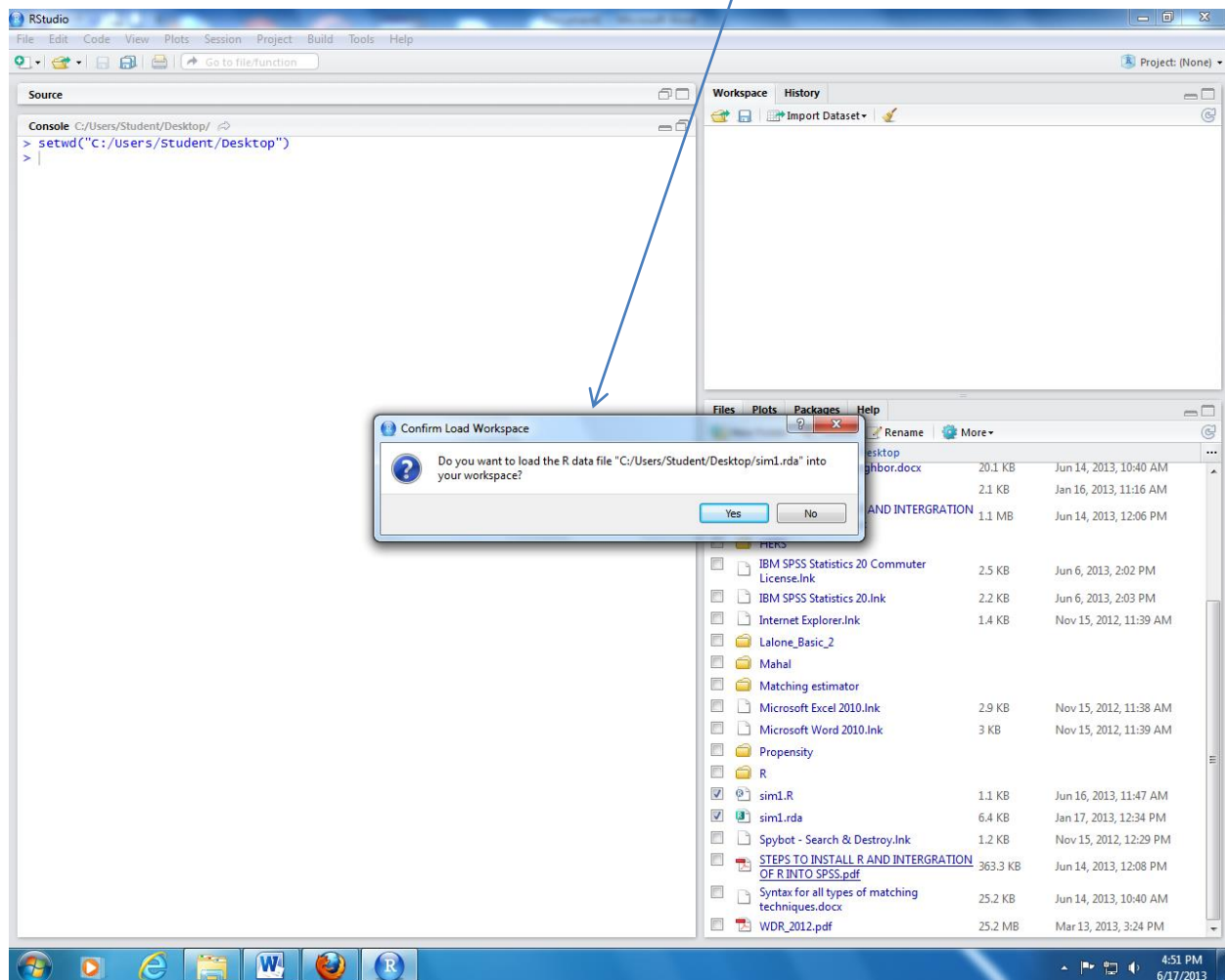
Check the box for data file and click the **MORE** icon

Select **SET AS WORKING DIRECTORY**



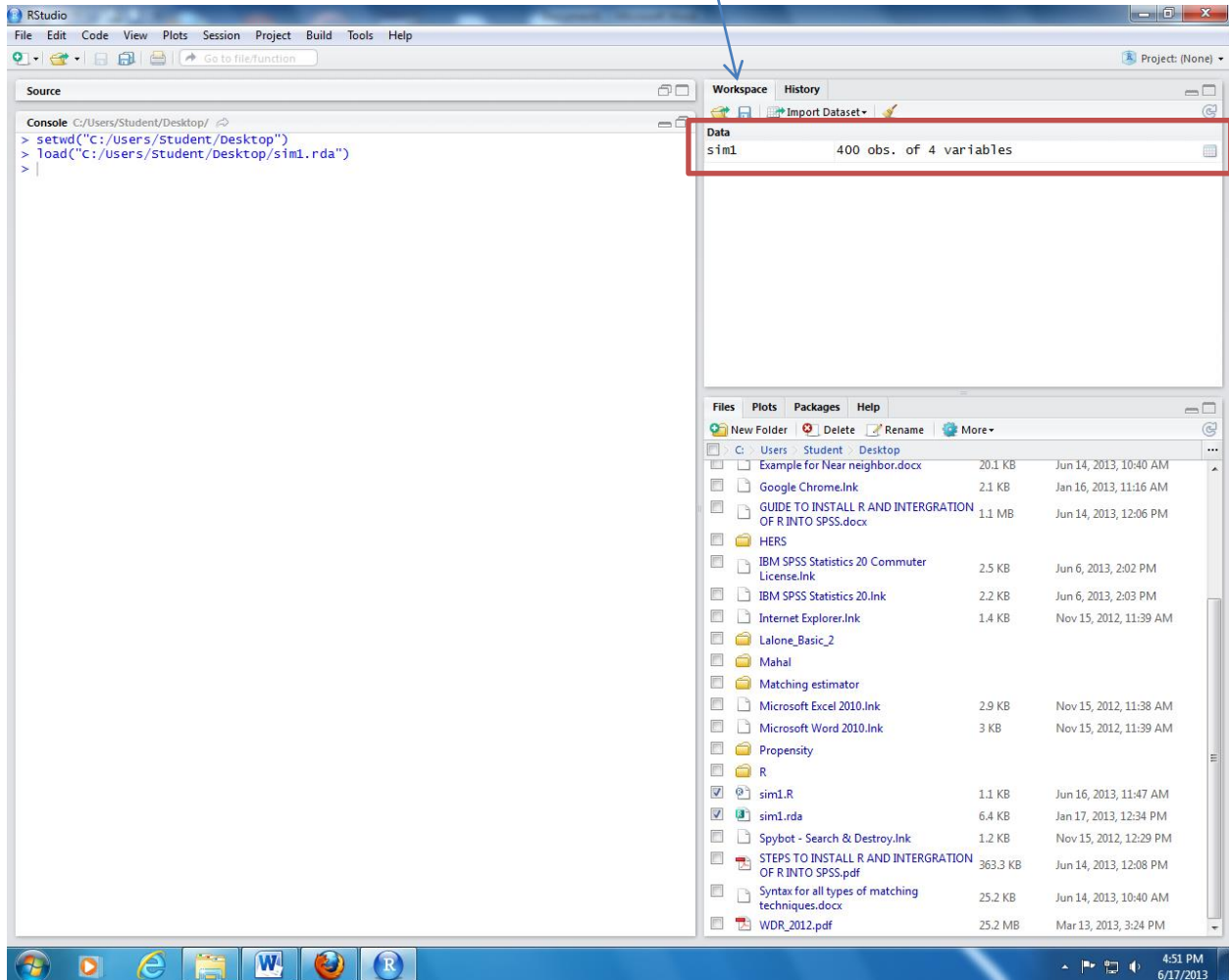
Step 5a (Data in .rda format)

A dialog box to load the workspace will appear and select **YES**



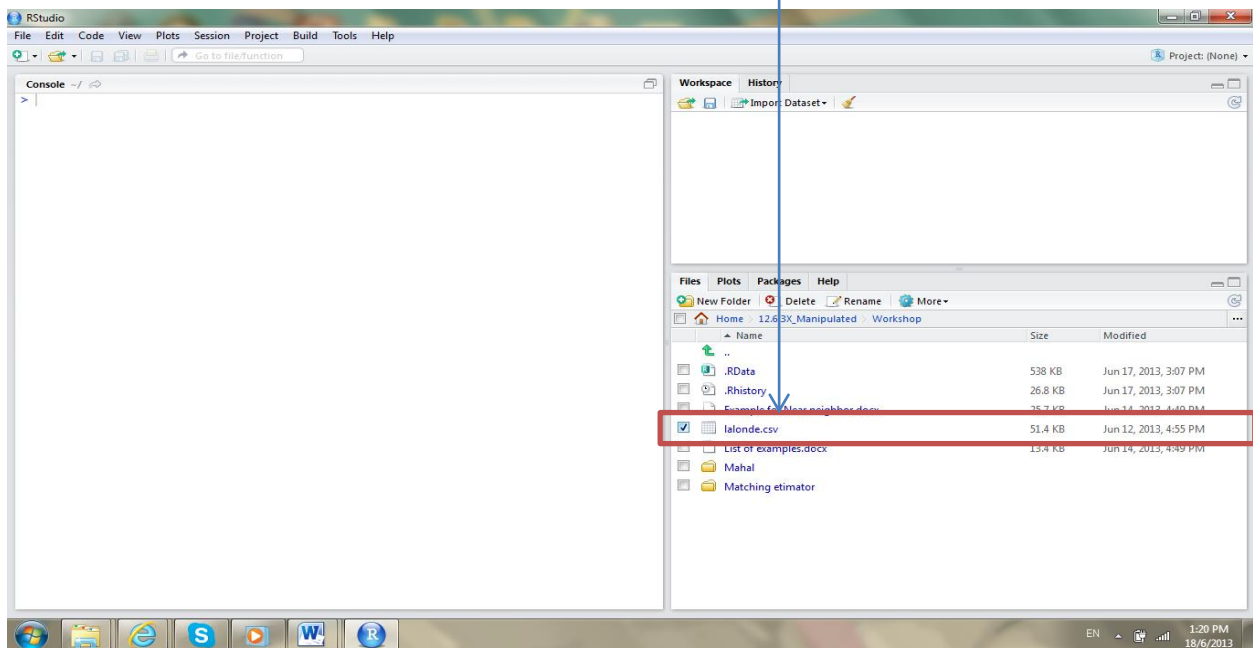
Step 5a.i

Once the data is loaded it will appear on the **Workspace** window (Indicating total sample and number of variables)



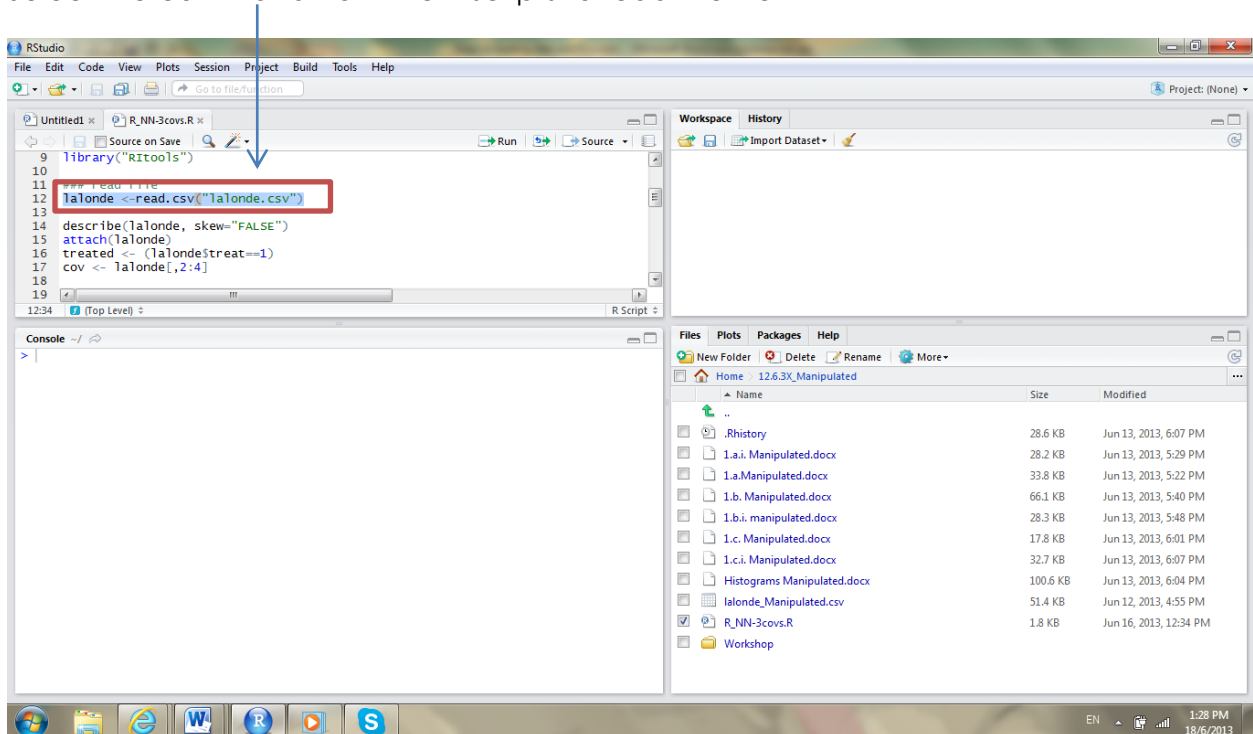
Step 5b Data in different format

If the data is not in .rda format (eg, data from SPSS, CSV)



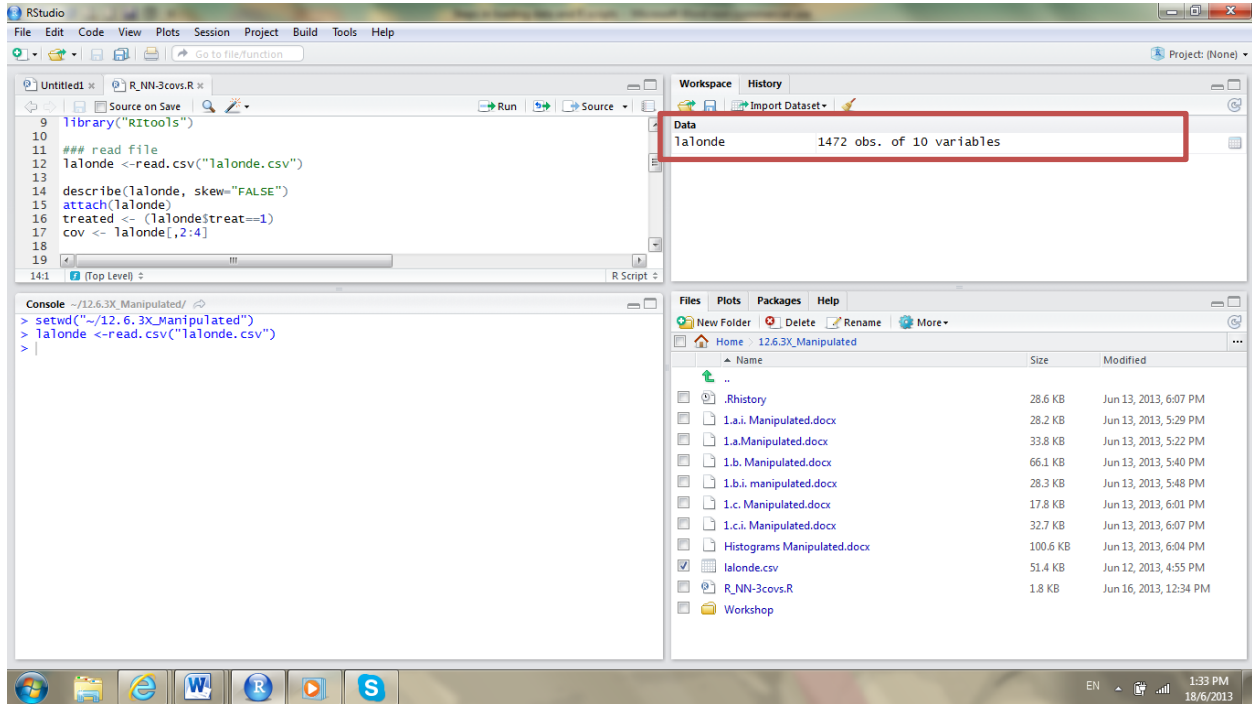
Step 5b (i)

Select the command from the R scripts to read the file



Step 5b (ii)

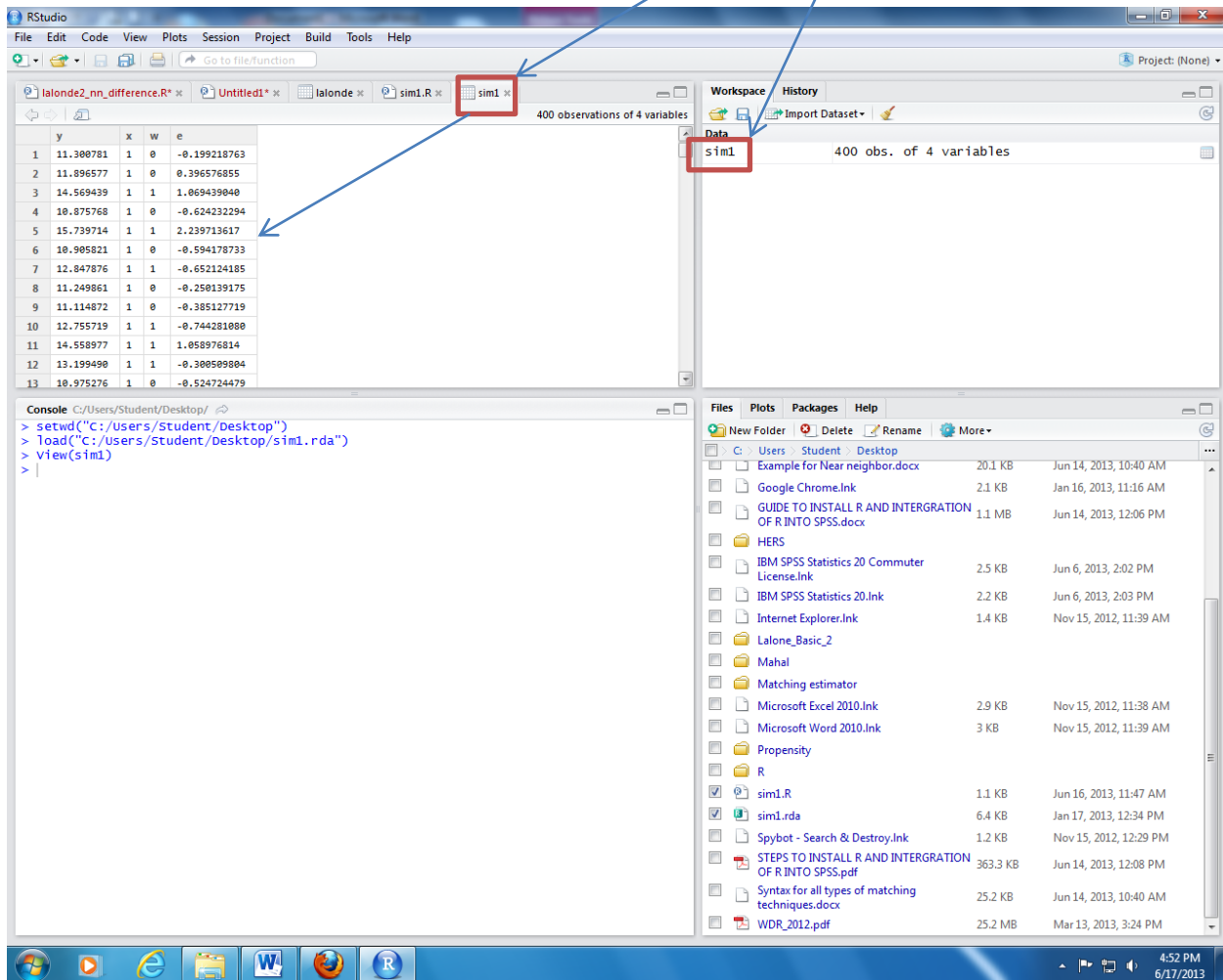
Run the command and the data will appear in Workspace (indicating total sample and number of variables)



Step 6

Click on the title of the data (eg. sim1) to view the data

Data frame will appear on the source window



R script and data is successfully loaded and ready to perform analysis

Step 7

Click the **SAVE** icon to store (save) the R script

The screenshot shows the RStudio environment. In the top-left pane, the 'Source' editor displays R code. A red box highlights the 'Source on Save' icon in the toolbar, with a blue arrow pointing to it. The console pane shows the execution of the code, including loading the 'lalonde' dataset and creating a boxplot. The plot area on the right shows a boxplot titled 'Salary differences 1978 control-treatment' with two groups: 'control' and 'treatment'. The y-axis represents salary, ranging from 0 to 50,000.

```

12 lalonde <- read.csv("lalonde.csv")
13
14 describe(lalonde, skew="FALSE")
15 attach(lalonde)
16 treated <- (lalonde$treat==1)
17 cov <- lalonde[,2:4]
18
19 boxplot(newr78 ~ treat, main = "Salary differences 1978 control-treatment", varw
20 reg <- lm(newr78 ~ treat + age + educ + black + hispan + married + nodegree + re
21
20:1 (Top Level)

```

Console output:

```

> lalonde <- read.csv("lalonde.csv")
> attach(lalonde)
The following object(s) are masked from 'lalonde (position 3)':
  age, black, educ, hispan, married, newr78, nodegree, re74, re75, treat
> treated <- (lalonde$treat==1)
> cov <- lalonde[,2:4]
> boxplot(newr78 ~ treat, main = "Salary differences 1978 control-treatment", varwidth
= TRUE, names = c("control", "treatment"))
>

```

Boxplot details:

- Title: Salary differences 1978 control-treatment
- X-axis: control, treatment
- Y-axis: 0, 20000, 50000

EXIT THE PROGRAM.