

Creating a R Data File Using R Code

The following R code creates a new R data file called `NewData.Rda` using **`data.frame`** function. It can be done in R Console or R Commander.

The first line of the R code below creates an R data frame called `newdata` with two variables in it, `var1` and `var2`. The value in `var1` is 10 and the value in `var2` is 122. The second line of the R code uses `newdata` data frame to create an R data file called `NewData.Rda`. **In R Commander, Data set is a data frame that is saved in an R data file.** The name of the R data file may be different from the name of the data set in the data file.

```
> newdata <- data.frame(var1=10,var2=122)
> save(newdata,file="NewData.Rda")
```

If one wishes to create two data values for each variable, then **`c()`** function can be used. The following example creates R data frame with a vector of two values for each variable.

```
> newdata <- data.frame(var1=c(9,10),var2=(111,122))
> save(newdata,file="NewData.Rda")
```

`newdata` is the name of R data frame

`NewData.Rda` is the name of R data file

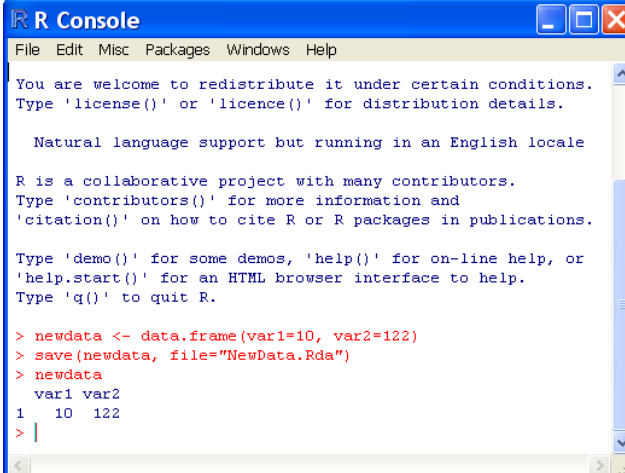
`data.frame()` is a R function that creates data frame

`<-` is an assignment operator assigns the data frame on its right to the data frame on its left

`save()` is a R function that puts the data set to a R file

`c()` is a vector that stores a list of values in it

The **Mac version of R Commander** does not have New Data option for creating a new data set. User can use the R codes above to create a new data file, then load it into R Commander, and then enter the data in the new data file. When it is done, save it to a new file name. The data set name in this data file will still be `newdata`. Another way to create a data file in Mac version of R Commander is to use EXCEL or other software to create data file and then import it into R Commander.



```
R R Console
File Edit Misc Packages Windows Help
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Type 'license()' or 'licence()' for distribution details.

Natural language support but running in an English locale

R is a collaborative project with many contributors.
Type 'contributors()' for more information and
'citation()' on how to cite R or R packages in publications.

Type 'demo()' for some demos, 'help()' for on-line help, or
'help.start()' for an HTML browser interface to help.
Type 'q()' to quit R.

> newdata <- data.frame(var1=10, var2=122)
> save(newdata, file="NewData.Rda")
> newdata
  var1 var2
1   10  122
> |
```