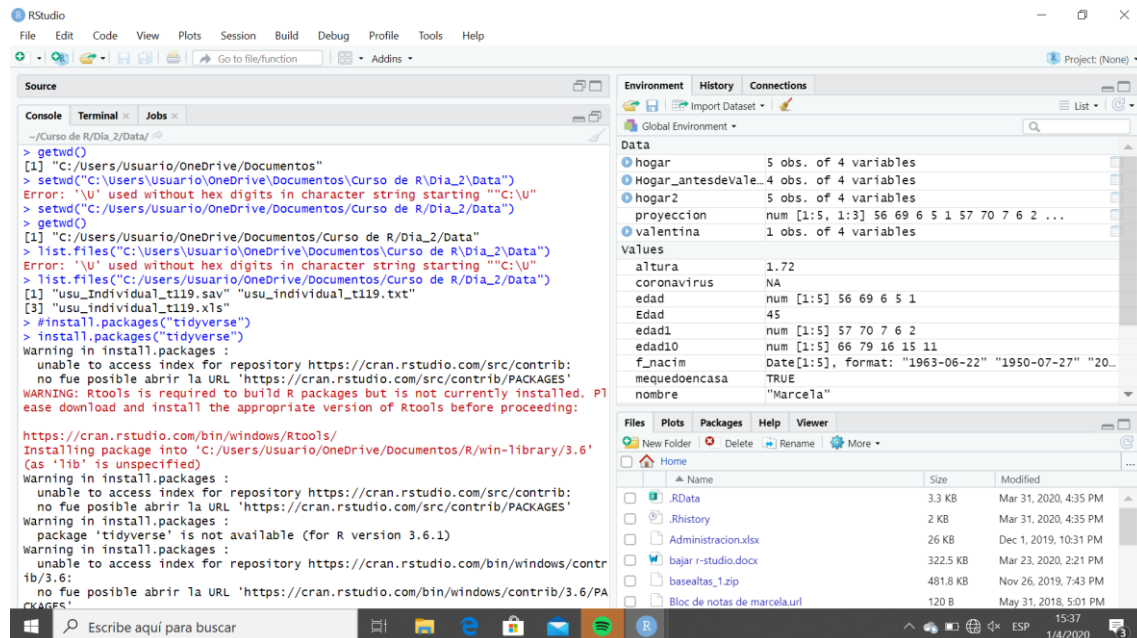


Cargar archivos de distinto formatos

Se deja en el repositorio tres archivos que son de EPH, uno formato .txt, otro excel y un .sav

Yo les sugiero armar un directorio por ej Dia 2 y dentro otro subdirectorio Data y copiar allí los tres archivos.

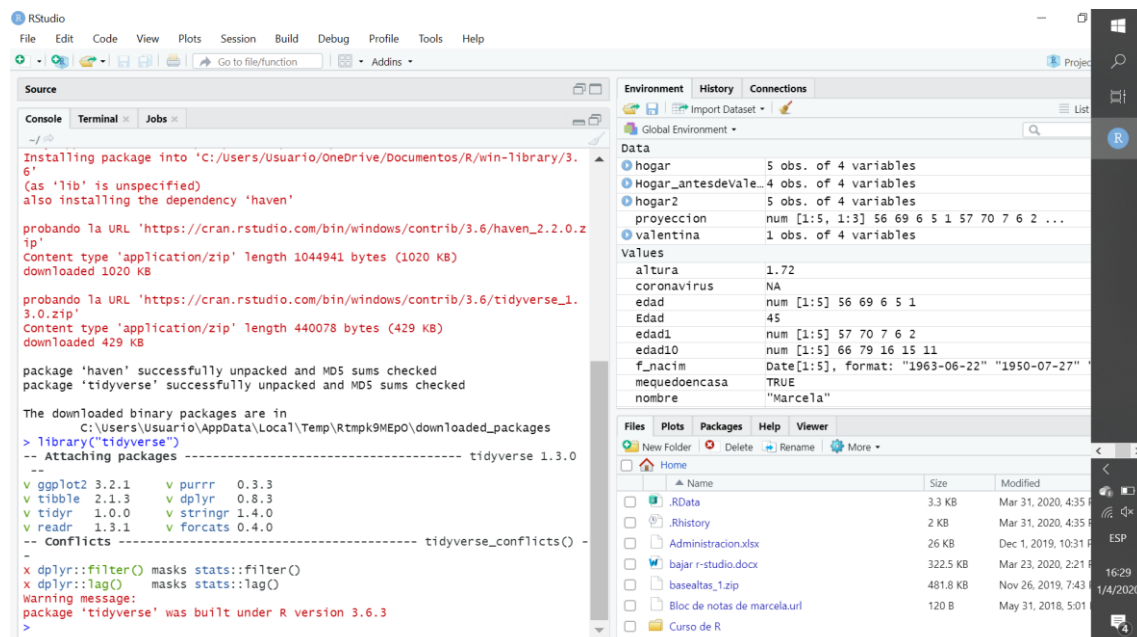
Para hacer esto se utiliza el paquete `tidyverse`, hay que instalarlo.



The screenshot shows the RStudio interface. The console displays several errors related to file paths and the `tidyverse` package. The Environment pane on the right shows the current data environment with variables like `hogar`, `Hogar_antesdeVale...`, `hogar2`, `proyeccion`, and `valentina`.

```
[1] "C:/Users/Usuario/OneDrive/Documentos/Curso de R/Dia_2/Data"
> setwd("C:/Users/Usuario/OneDrive/Documentos/Curso de R/Dia_2/Data")
Error: 'U' used without hex digits in character string starting ""C:\U"
> setwd("C:/Users/Usuario/OneDrive/Documentos/Curso de R/Dia_2/Data")
> getwd()
[1] "C:/Users/Usuario/OneDrive/Documentos/Curso de R/Dia_2/Data"
> list.files("C:/Users/Usuario/OneDrive/Documentos/Curso de R/Dia_2/Data")
Error: 'U' used without hex digits in character string starting ""C:\U"
> list.files("C:/Users/Usuario/OneDrive/Documentos/Curso de R/Dia_2/Data")
[3] "usu_individual_t119.sav" "usu_individual_t119.txt"
> #install.packages("tidyverse")
> install.packages("tidyverse")
Warning in install.packages :
  unable to access index for repository https://cran.rstudio.com/src/contrib:
  no fue posible abrir la URL 'https://cran.rstudio.com/src/contrib/PACKAGES'
WARNING: Rtools is required to build R packages but is not currently installed. Pl
ease download and install the appropriate version of Rtools before proceeding:
https://cran.rstudio.com/bin/windows/Rtools/
Installing package into 'C:/Users/Usuario/OneDrive/Documentos/R/win-library/3.6'
(as 'lib' is unspecified)
Warning in install.packages :
  unable to access index for repository https://cran.rstudio.com/src/contrib:
  no fue posible abrir la URL 'https://cran.rstudio.com/src/contrib/PACKAGES'
Warning in install.packages :
  package 'tidyverse' is not available (for R version 3.6.1)
Warning in install.packages :
  unable to access index for repository https://cran.rstudio.com/bin/windows/contrib/3.6:
  no fue posible abrir la URL 'https://cran.rstudio.com/bin/windows/contrib/3.6/PACKAGES'
```

Activo el paquete `tidyverse`



The screenshot shows the RStudio interface after the `tidyverse` package has been successfully installed. The console displays the installation progress, including the download of the package and its dependencies. The Environment pane on the right shows the updated data environment.

```
Installing package into 'C:/Users/Usuario/OneDrive/Documentos/R/win-library/3.6'
(as 'lib' is unspecified)
also installing the dependency 'haven'

probando la URL 'https://cran.rstudio.com/bin/windows/contrib/3.6/haven_2.2.0.zip'
Content type 'application/zip' length 1044941 bytes (1020 KB)
downloaded 1020 KB

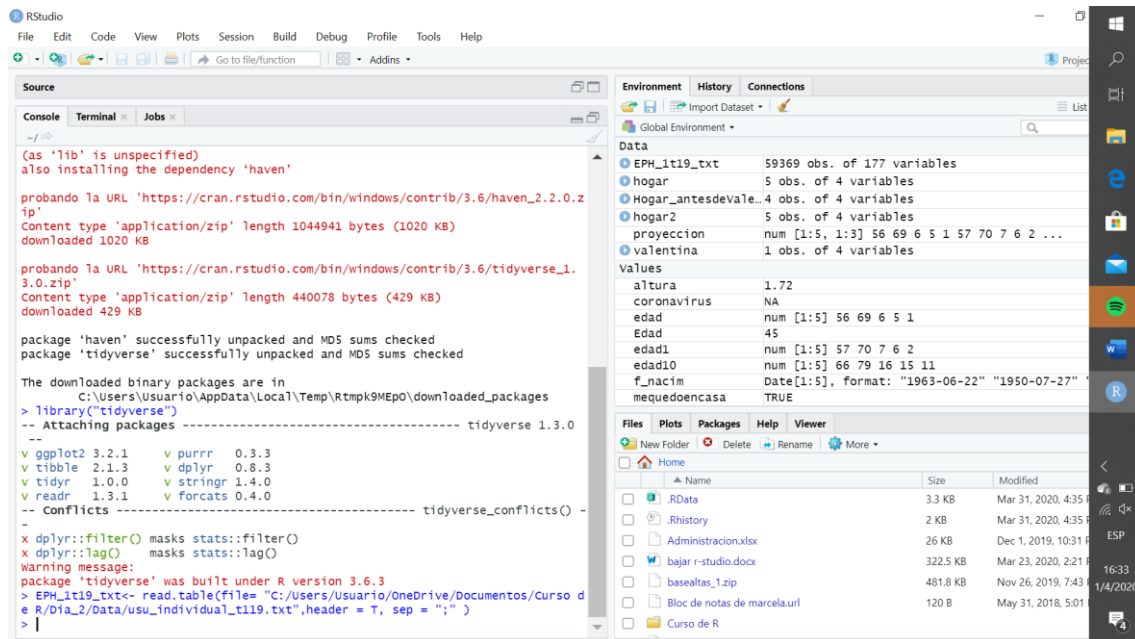
probando la URL 'https://cran.rstudio.com/bin/windows/contrib/3.6/tidyverse_1.3.0.zip'
Content type 'application/zip' length 440078 bytes (429 KB)
downloaded 429 KB

package 'haven' successfully unpacked and MD5 sums checked
package 'tidyverse' successfully unpacked and MD5 sums checked

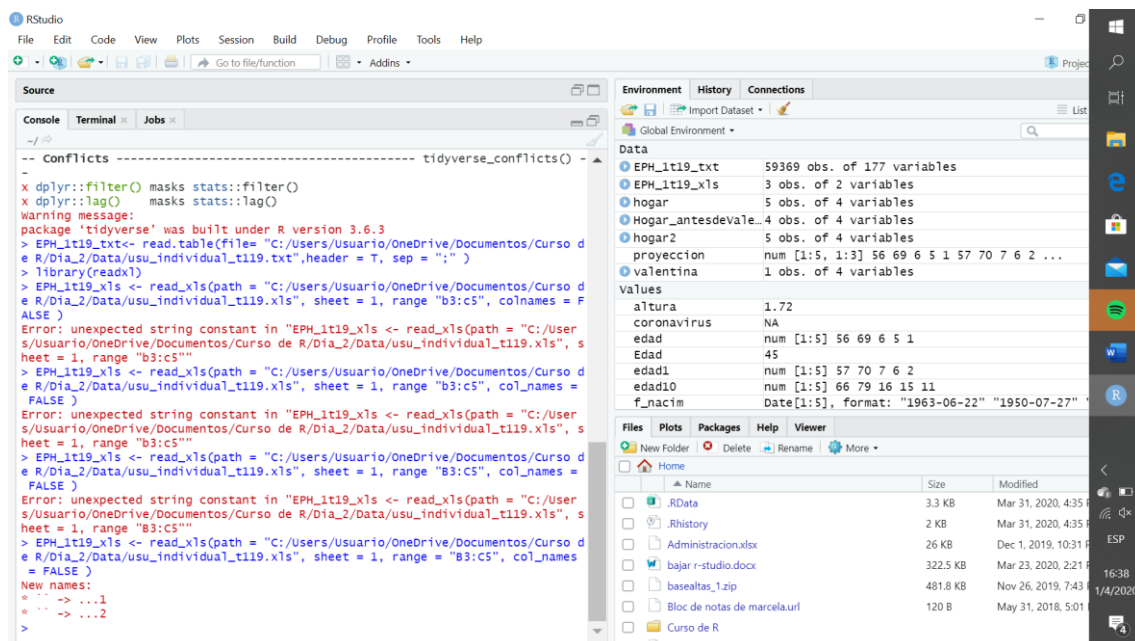
The downloaded binary packages are in
C:/Users/Usuario/AppData/Local/Temp/Rtmpk9MEp0/downloaded_packages
> library("tidyverse")
-- Attaching packages ----- tidyverse 1.3.0 --
v ggplot2 3.2.1    v purrr 0.3.3
v tidyr 1.0.0      v dplyr 0.8.3
v readr 1.3.1      v stringr 1.4.0
v forcats 0.4.0

-- Conflicts ----- tidyverse_conflicts() --
x dplyr::filter() masks stats::filter()
x dplyr::lag() masks stats::lag()
Warning message:
package 'tidyverse' was built under R version 3.6.3
>
```

Primero intento subir el archivo .txt,



Pasó seguido cargo el archivo .xls. Dejo los errores para que comprueben los errores que cometí y cómo los fui resolviendo



También se pueden leer archivos .dbf, sas, spss, etc.

Se utiliza el paquete foreign

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function Addins

Source

Console Terminal Jobs

```

heet = 1, range = "B3:C5"
> EPH_1t19_xls <- read_xls(path = "C:/Users/Usuario/OneDrive/Documentos/Curso de R/Dia_2/Data/usu_individual_t119.xls", sheet = 1, range = "B3:C5", col_names = FALSE)
Error: unexpected string constant in "EPH_1t19_xls <- read_xls(path = "C:/Users/Usuario/OneDrive/Documentos/Curso de R/Dia_2/Data/usu_individual_t119.xls", sheet = 1, range = "B3:C5", col_names = FALSE)"
> EPH_1t19_xls <- read_xls(path = "C:/Users/Usuario/OneDrive/Documentos/Curso de R/Dia_2/Data/usu_individual_t119.xls", sheet = 1, range = "B3:C5", col_names = FALSE)
Error: unexpected string constant in "EPH_1t19_xls <- read_xls(path = "C:/Users/Usuario/OneDrive/Documentos/Curso de R/Dia_2/Data/usu_individual_t119.xls", sheet = 1, range = "B3:C5", col_names = FALSE)"
> EPH_1t19_xls <- read_xls(path = "C:/Users/Usuario/OneDrive/Documentos/Curso de R/Dia_2/Data/usu_individual_t119.xls", sheet = 1, range = "B3:C5", col_names = FALSE)
New names:
* ..> ...1
* ..> ...2
> View(EPH_1t19_xls)
> EPH_1t19_xls <- read_xls(path = "C:/Users/Usuario/OneDrive/Documentos/Curso de R/Dia_2/Data/usu_individual_t119.xls", sheet = 1, range = "A1:FU59370", col_names = FALSE)
New names:
* ..> ...1
* ..> ...2
* ..> ...3
* ..> ...4
* ..> ...5
* ... and 172 more problems
> EPH_1t19_xls <- read_xls(path = "C:/Users/Usuario/OneDrive/Documentos/Curso de R/Dia_2/Data/usu_individual_t119.xls", sheet = 1, range = "A1:FU59370", col_names = TRUE)
>

```

Environment History Connections

Global Environment

Data

- EPH_1t19_txt 59369 obs. of 177 variables
- EPH_1t19_xls 59369 obs. of 177 variables
- hogar 5 obs. of 4 variables
- Hogar_antesdeVale... 4 obs. of 4 variables
- hogar2 5 obs. of 4 variables
- proyeccion num [1:5, 1:3] 56 69 6 5 1 57 70 7 6 2 ...
- valentina 1 obs. of 4 variables

Values

- altura 1.72
- coronavirus NA
- edad num [1:5] 56 69 6 5 1
- edad 45
- edad1 num [1:5] 57 70 7 6 2
- edad10 num [1:5] 66 79 16 15 11
- f_nacim Date[1:5], format: "1963-06-22" "1950-07-27"

Files Plots Packages Help Viewer

New Folder Delete Rename More

Home

Name	Size	Modified
.RData	3.3 KB	Mar 31, 2020, 4:35
.Rhistory	2 KB	Mar 31, 2020, 4:35
Administracion.xlsx	26 KB	Dec 1, 2019, 10:31
bajar r-studio.docx	322.5 KB	Mar 23, 2020, 2:21
basealtas_1.zip	481.8 KB	Nov 26, 2019, 7:43
Bloc de notas de marcela.url	120 B	May 31, 2018, 5:01
Curso de R		

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function Addins

Environment History Connections

Global Environment

Data

- eph_1t19_spss Large list (177 elements, 83.2 Mb)
- EPH_1t19_txt 59369 obs. of 177 variables
- EPH_1t19_xls 59369 obs. of 177 variables
- hogar 5 obs. of 4 variables
- Hogar_antesdeVale... 4 obs. of 4 variables
- hogar2 5 obs. of 4 variables
- proyeccion num [1:5, 1:3] 56 69 6 5 1 57 70 7 6 2 ...
- valentina 1 obs. of 4 variables

Values

- altura 1.72
- coronavirus NA
- edad num [1:5] 56 69 6 5 1
- edad 45
- edad1 num [1:5] 57 70 7 6 2
- edad10 num [1:5] 66 79 16 15 11

Files Plots Packages Help Viewer

New Folder Delete Rename More

Home

Name	Size	Modified
.RData	3.3 KB	Mar 31, 2020, 4:35
.Rhistory	2 KB	Mar 31, 2020, 4:35
Administracion.xlsx	26 KB	Dec 1, 2019, 10:31
bajar r-studio.docx	322.5 KB	Mar 23, 2020, 2:21
basealtas_1.zip	481.8 KB	Nov 26, 2019, 7:43
Bloc de notas de marcela.url	120 B	May 31, 2018, 5:01
Curso de R		

Console Terminal Jobs

```

6.zip'
Content type 'application/zip' length 326472 bytes (318 KB)
downloaded 318 KB

package 'foreign' successfully unpacked and MD5 sums checked

The downloaded binary packages are in
C:/Users/Usuario/AppData/Local/Temp/Rtmpk9MEpo/downloaded_packages
> library(foreign)
warning message:
package 'foreign' was built under R version 3.6.3
> eph_1t19_spss <- read.spss("C:/Users/Usuario/OneDrive/Documentos/Curso de R/Dia_2/Data/usu_individual_t119.sav", to_data_frame = TRUE)
re-encoding from CP1252
> View(eph_1t19_spss)
> eph_1t19_spss <- read.spss("C:/Users/Usuario/OneDrive/Documentos/Curso de R/Dia_2/Data/usu_individual_t119.sav")
re-encoding from CP1252
> View(eph_1t19_spss)
>

```

Name Type Value

Name	Type	Value
eph_1t19_spss	list [177]	List of length 177
CODUSU	character [59369]	'TQRMNOPPUHKNNKCNDEFOCD00629562' 'TQRMNC
ANO4	double [59369]	2019 2019 2019 2019 2019 2019 ...
TRIMESTRE	double [59369]	1 1 1 1 1 1 ...
NRO_HOGAR	double [59369]	2 2 2 1 1 1 ...
COMPONENTE	double [59369]	2 3 4 1 2 2 ...
H15	double [59369]	1 1 0 1 0 1 ...

RStudio interface showing a data frame, console output, and environment variables.

Environment | History | Connections

Global Environment

Data

- eph_1t19_spss: 59369 obs. of 177 variables
- EPH_1t19_txt: 59369 obs. of 177 variables
- EPH_1t19_xls: 59369 obs. of 177 variables
- hogar: 5 obs. of 4 variables
- Hogar_antesdeVale...: 4 obs. of 4 variables
- hogar2: 5 obs. of 4 variables
- proyeccion: num [1:5, 1:3] 56 69 6 5 1 57 70 7 6 2 ...
- valentina: 1 obs. of 4 variables

Values

- altura: 1.72
- coronavirus: NA
- edad: num [1:5] 56 69 6 5 1
- edad: 45
- edad1: num [1:5] 57 70 7 6 2
- edad10: num [1:5] 66 79 16 15 11

Files | Plots | Packages | Help | Viewer

New Folder | Delete | Rename | More

Home

Name	Size	Modified
RData	3.3 KB	Mar 31, 2020, 4:35 PM
.Rhistory	2 KB	Mar 31, 2020, 4:35 PM
Administracion.xlsx	26 KB	Dec 1, 2019, 10:31 PM
bajar r-studio.docx	322.5 KB	Mar 23, 2020, 2:21 PM
basealtas_1.zip	481.8 KB	Nov 26, 2019, 7:43 PM
Bloc de notas de marcela.url	120 B	May 31, 2018, 5:01 PM
Curso de R		

Console | Terminal | Jobs

```
package 'foreign' successfully unpacked and MD5 sums checked
The downloaded binary packages are in
  C:\Users\Usuario\AppData\Local\Temp\Rtmpk9MEpo\downloaded_packages
> library(foreign)
Warning message:
package 'foreign' was built under R version 3.6.3
> eph_1t19_spss <- read.spss("C:/Users/Usuario/OneDrive/Documents/Curso de R/Dia_2/Data/usu_individual_t119.sav", to.data.frame = TRUE)
re-encoding from CP1252
> View(eph_1t19_spss)
> eph_1t19_spss <- read.spss("C:/Users/Usuario/OneDrive/Documents/Curso de R/Dia_2/Data/usu_individual_t119.sav")
re-encoding from CP1252
> View(eph_1t19_spss)
> eph_1t19_spss <- read.spss("C:/Users/Usuario/OneDrive/Documents/Curso de R/Dia_2/Data/usu_individual_t119.sav", to.data.frame = TRUE)
re-encoding from CP1252
> View(eph_1t19_spss)
>
```

Showing 1 to 6 of 59,369 entries, 177 total columns

	CODUSU	ANO4	TRIMESTRE	NRO_HOGAR	COMPONENTE	H15
1	TQRMNOPPUHKNKNCDEFCD00629562	2019	1	2	2	1
2	TQRMNOPPUHKNKNCDEFCD00629562	2019	1	2	3	1
3	TQRMNOPPUHKNKNCDEFCD00629562	2019	1	2	4	0
4	TQRMNOPPUHKNKNCDEFCD00629563	2019	1	1	1	1
5	TQRMNOPPUHKNKNCDEFCD00629563	2019	1	1	2	0