

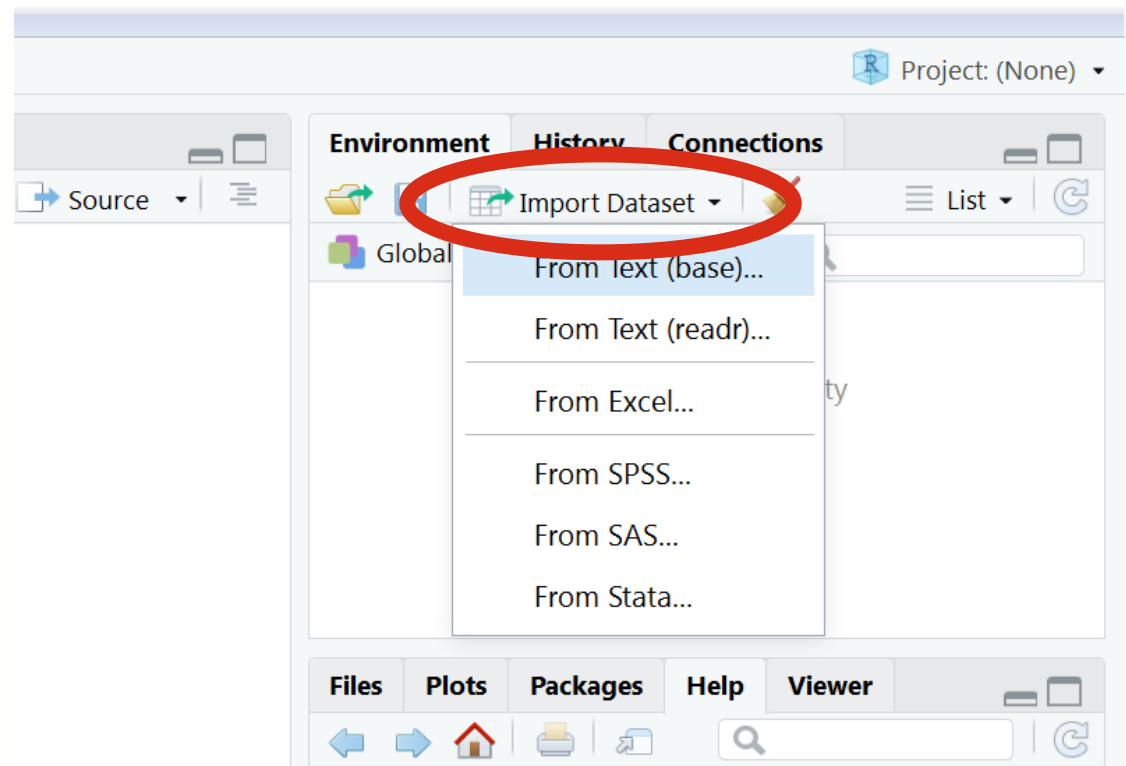
# Importing Data

# Import data into R

There are R packages to import all types of data. Here we cover the most common imports: csvs and Excel workbooks.

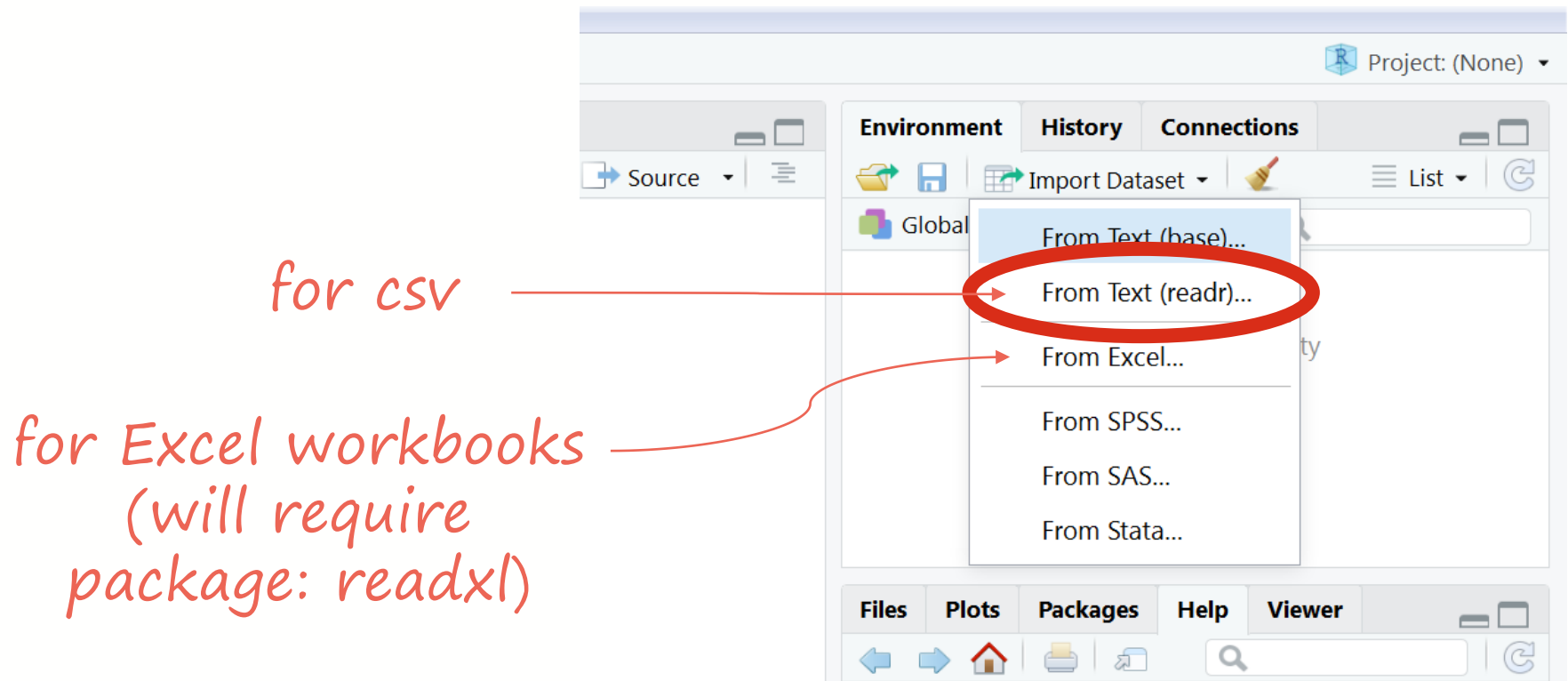
# Import data into R

We will use the “Import Dataset” button:



# Import csv

Let's import the `data_who_pop.csv` file:



# Import csv

1. Locate the file

Import Text Data

File/Url:  
C:/2018\_projects/workshoppe\_nhs\_r/data\_who\_pop.csv

Data Preview:

country (character)	1999 (integer)	2000 (integer)	2001 (integer)	2002 (integer)
Afghanistan	19987071	20595360	21347782	22202806
Brazil	172006362	174504898	176968205	179393768
China	1272915272	1280428583	1287890449	1295322020
Denmark	5319410	5338283	5354684	5368994

3. un-check this box...

Import Options:

Name: data\_who\_pop  
Skip: 0

☒ First Row as Names  
☐ Spaces  
☐ Open Data Viewer

Delimiter: Comma  
Quotes: Default  
Locale: Configure...

Escape: None  
Comment: Default  
NA: Default

Code Preview:

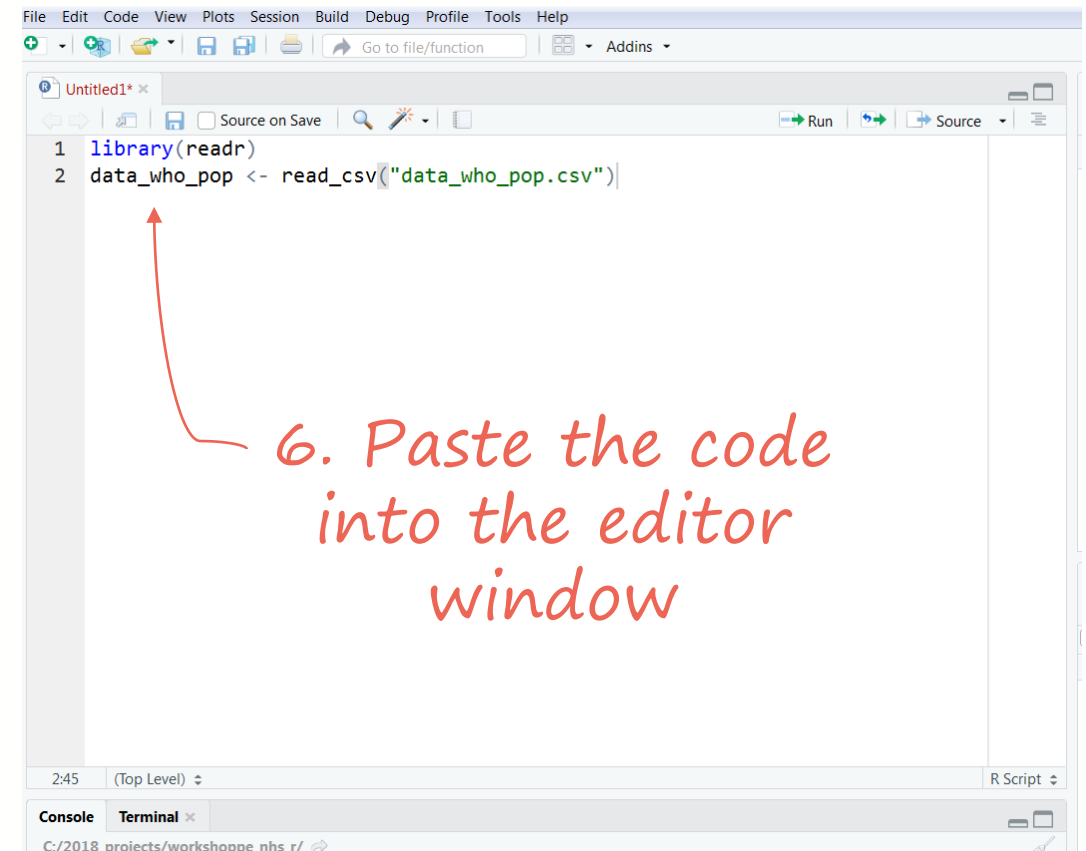
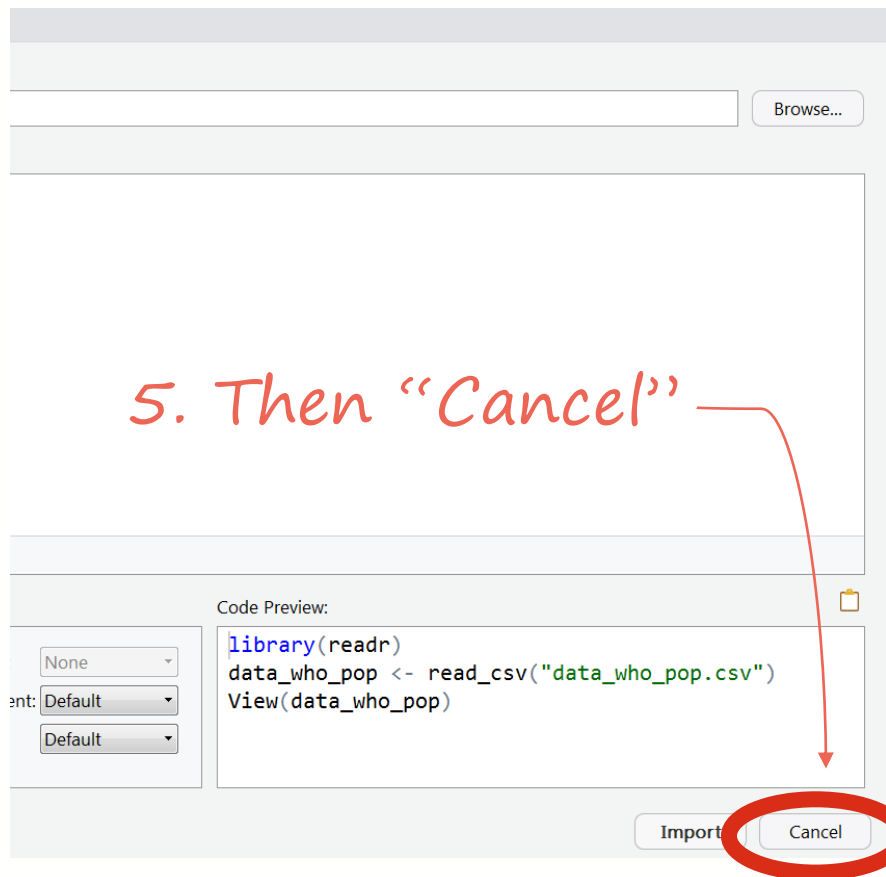
```
library(readr)  
data_who_pop <- read_csv("data_who_pop.csv")
```

Import Cancel

2. If this looks in order...

4. copy this code using

# Counter-intuitive bit



7. Finally, run the code in the editor.

# Less friendly csvs

Load `data_who_cases.csv`

Import Text Data

File/Url:  
C:/2018\_projects/workshope\_nhs\_r/data\_who\_cases.csv Browse...

Data Preview:

Data: (character)	World Health Organisation Global Tuberculosis Report (character)	X3 (integer)	X4 (integer)	X5 (integer)
Source:	http://www.who.int/tb/country/data/download/en/	NA	NA	NA
	NA	NA	NA	NA
country	1999	2000	2001	2002
Afghanistan	745	2666	4639	6509
Brazil	37737	80488	37491	40723
China	212258	213766	212766	194972
Denmark	170	171	124	135

Previewing first 50 entries.

Import Options:

Name:  ☒ First Row as Names Delimiter:  Escape:

Skip:  ☒ Trim Spaces Quotes:  Comment:

☒ Open Data Viewer Locale:  NA:

Code Preview:

```
library(readr)
data_who_cases <- read_csv("data_who_cases.csv")
View(data_who_cases)
```

Import Cancel

? Reading rectangular data using readr

*Metadata is present above the data we'd like*

# Less friendly csvs

Import Text Data

File/Url:  
C:/2018\_projects/workshoppe\_nhs\_r/data\_who\_cases.csv Browse...

Data Preview:

country (character)	1999 (integer)	2000 (integer)	2001 (integer)	2002 (integer)
Afghanistan	745	2666	4639	6509
Brazil	37737	80488	37491	40723
China	212258	213766	212766	194972
Denmark	170	171	124	135

Previewing first 50 entries.

Import Options:

Name: data\_who\_cases

Skip: 3

☒ First Row as Names  
☒ Trim Spaces  
☐ Open Data Viewer

Delimiter: Comma  
Quotes: Default  
Locale: Configure...

Escape: None  
Comment: Default  
NA: Default

Code Preview:

```
library(readr)  
data_who_cases <- read_csv("data_who_cases.csv",  
  skip = 3)
```

? Reading rectangular data using readr

Import Cancel

*In this case, "Skip"  
3 rows and repeat  
steps 1-6 as before*



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# End