

How do I import Excel files into R step-by-step?

Authored by
stats writer

April 21, 2024

RECOMMENDED CITATION

stats writer (2024). *How do I import Excel files into R step-by-step?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=137759>

Importing Excel files into R can be done in a few simple steps. Firstly, you will need to install and load the "readxl" package in R. Once this is done, you can use the "read_excel" function to import the Excel file into R. This function requires you to specify the file path and name of the Excel file. You can also use the "sheet" argument to specify which sheet to import from the Excel file. After running the function, the Excel data will be converted into a data frame in R. You can then manipulate and analyze the data as needed. It is important to note that the Excel file should be saved as a .xlsx format for this process to work. Overall, the steps to import Excel files into R involve installing the necessary package, using the "read_excel" function, and specifying the file path and sheet if needed.

Import Excel Files into R (Step-by-Step)

The easiest way to import an Excel file into R is by using the `read_excel()` function from the readxl package.

This function uses the following syntax:

```
read_excel(path, sheet = NULL)
```

where:

path: Path to the xls/xlsx files
sheet: The sheet to read. This can be the name of the sheet or the position of the sheet. If this is not specified, the first sheet is read.

This tutorial provides an example of how to use this function to import an Excel file into R.

Example: Import an Excel File into R

Suppose I have an Excel file saved in the following location:

C:\Users\Bob\Desktop\data.xlsx

The file contains the following data:

	A	B	C	D	E	F
1	team	points	assists			
2	A	78	12			
3	B	85	20			
4	C	93	23			
5	D	90	8			
6	E	91	14			
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						

The following code shows how to import this Excel file into R:

```
#install           and           load           readxl  
packageinstall.packages('readxl')  
library(readxl)
```

#import Excel file into R

```
data <- read_excel('C:UsersBobDesktopdata.xlsx')
```

Note that we used double backslashes () in the file path to avoid the following common error:

Error: 'U' used without hex digits in character string starting ""C:U"

We can use the following code to quickly view the data:

```
#view entire dataset
```

```
data
```

```
#A tibble: 5 x 3
```

```
team points assists
```

```
<chr> <dbl> <dbl>
```

```
1 A 78 12
```

```
2 B 85 20
```

```
3 C 93 23
```

```
4 D 90 8
```

```
5 E 91 14
```

The following tutorials explain how to import other file

types into R:

ARABPSYCHOLOGY.COM