

How can I import TSV files into R, and could you provide an example?

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Importing TSV (Tab-Separated Values) files into R is a straightforward process that allows users to easily access and manipulate data in R. A TSV file is a type of delimited text file where each data field is separated by a tab character. To import TSV files into R, the "read.table()" function can be used, with the "sep" argument set to "t" to indicate that the file is tab-delimited. An example of importing a TSV file named "data.tsv" into R would be:

```
data
```

Import TSV Files into R (Including Example)

You can use the following basic syntax to import a TSV file into R:

```
library(readr)
```

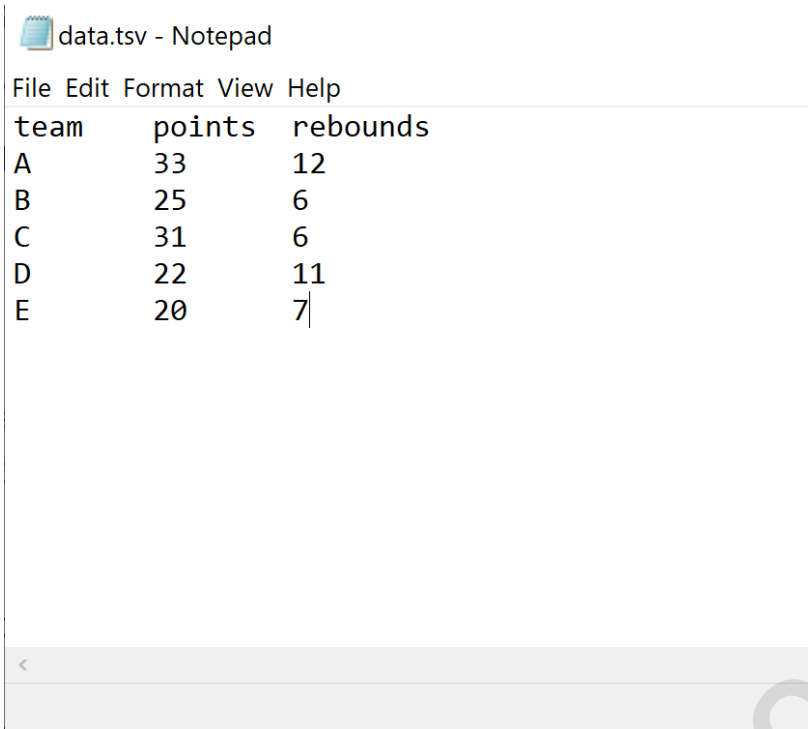
```
#import TSV file into data frame
```

```
df <- read_tsv('C:/Users/bob/Downloads/data.tsv')
```

The following examples show how to use this syntax in practice.

Example 1: Import TSV File into R (With Column Names)

Suppose I have the following TSV file called data.tsv saved somewhere on my computer:



```
data.tsv - Notepad
File Edit Format View Help
team    points  rebounds
A       33      12
B       25      6
C       31      6
D       22      11
E       20      7
```

I can use the following syntax to import this TSV file into a data frame in R:

```
library(readr)
```

```
#import TSV file into data frame
```

```
df <- read_tsv('C:/Users/bob/Downloads/data.tsv')
```

```
#view data frame
```

```
df
```

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

```
team points rebounds
```

1 A 33 12

2 B 25 6

3 C 31 6

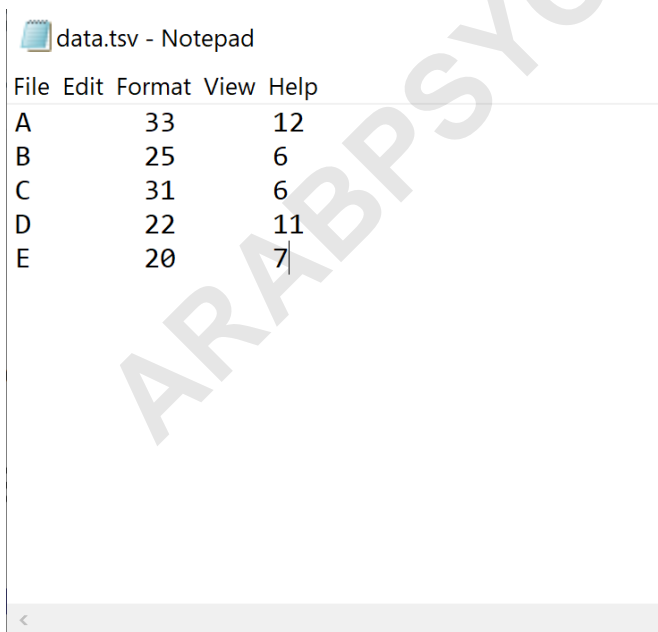
4 D 22 11

5 E 20 7

We can see that the TSV file was successfully imported into R.

Example 2: Import TSV File into R (No Column Names)

Suppose I have the following TSV file called data.tsv with no column names:



```
data.tsv - Notepad
File Edit Format View Help
A      33      12
B      25       6
C      31       6
D      22      11
E      20       7
```

I can use the col_names argument to specify that there

are no column names when importing this TSV file into R:

```
library(readr)
```

```
#import TSV file into data frame
```

```
df <- read_tsv('C:/Users/bob/Downloads/data.tsv',  
col_names=FALSE)
```

```
#view data frame
```

```
df
```

```
X1 X2 X3
```

```
1 A 33 12
```

```
2 B 25 6
```

```
3 C 31 6
```

```
4 D 22 11
```

```
5 E 20 7
```

By default, R provides the column names X1, X2, and X3.

I can use the following syntax to easily :

```
#rename columns
```

```
names(df) <- c('team', 'points', 'rebounds')
```

```
#view updated data frame
```

```
df
```

```
team points rebounds
```

```
1 A 33 12
```

```
2 B 25 6
```

```
3 C 31 6
```

```
4 D 22 11
```

```
5 E 20 7
```

Additional Resources

The following tutorials explain how to import other files in R: