

How can I use the `str_remove` function in R to remove specified characters from a string?

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The `str_remove` function in R is a useful tool for removing specified characters from a string. It allows users to specify which characters they want to remove from a given string, making it a flexible and customizable function. By using the `str_remove` function, users can easily manipulate strings to fit their desired format or to extract specific information. This function is particularly helpful for data analysis and text processing tasks. Its simple syntax and versatility make it an essential tool for any R programmer.

Use `str_remove` in R (With Examples)

The `str_remove()` function from the package in R can be used to remove matched patterns from a string.

This function uses the following syntax:

```
str_remove(string, pattern)
```

where:

string: Character vector **pattern:** Pattern to look for

The following examples show how to use this function in practice

Example 1: Use `str_remove` with Vector

The following code shows how to use the `str_remove()` function to remove the first occurrence of the pattern "e" in a vector:

```
library(stringr)
```

```
#create character vector
```

```
my_vector <- "Hey there everyone."
```

```
#remove first occurrence of "e" from vector
```

```
str_remove(my_vector, "e")
```

```
"Hy there everyone."
```

Notice that the first "e" has been removed from the vector, but all other "e" occurrences have remained.

To remove each occurrence of "e", you can instead use the `str_remove_all()` function:

```
library(stringr)
```

```
#create character vector
```

```
my_vector <- "Hey there everyone."
```

```
#remove all occurrences of "e" from vector
```

```
str_remove_all(my_vector, "e")
```

```
"Hy thr vryon."
```

Notice that every occurrence of "e" has been removed from the string this time.

Example 2: Use `str_remove` with Data Frame

The following code shows how to use the `str_remove()` function to remove the pattern "avs" from every string in a particular column of a data frame:

```
library(stringr)
```

```
#create data frame
```

```
df <- data.frame(team=c('Mavs', 'Cavs', 'Heat', 'Hawks'),  
points=c(99, 94, 105, 122))
```

```
#view data frame
```

```
df
```

```
team points
```

```
1 Mavs 99
```

```
2 Cavs 94
```

```
3 Heat 105
```

```
4 Hawks 122
```

```
#remove every occurrence of "avs" in the team column
```

```
df$team <- str_remove(df$team, "avs")
```

```
#view updated data frame
```

```
df
```

```
team points
```

```
1 M 99
```

```
2 C 94
```

```
3 Heat 105
```

```
4 Hawks 122
```

Notice that the pattern "avs" has been removed from the first two team names.

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