

How can I use the `str_count` function in R with examples?

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The `str_count` function in R is used to count the number of times a particular pattern occurs in a given string. This function takes two arguments - the first argument is the string in which the pattern is to be searched, and the second argument is the pattern to be counted. The function returns the number of times the pattern appears in the string. For example, if we have a string "Hello World!" and we want to count the number of times the letter "l" appears in it, we can use the `str_count` function as follows:

```
str_count("Hello World!", "l")
```

This will return the value 3, as there are three instances of the letter "l" in the given string. The `str_count` function can also be used to count the occurrence of multiple patterns in a single string. For instance, if we have a string "abababab" and we want to count the number of times the patterns "ab" and "ba" appear, we can use the following code:

```
str_count("abababab", "ab|ba")
```

This will return the value 4, as there are 4 occurrences of the patterns "ab" and "ba" combined in the given string. In summary, the `str_count` function in R is a useful tool for counting patterns in strings and can be utilized in various scenarios for efficient data analysis.

Use str_count in R (With Examples)

The `str_count()` function from the package in R can be used to count the number of matches in a string.

This function uses the following syntax:

```
str_count(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_count with One Pattern

The following code shows how to use the `str_count()` function to count the number of times the letter 'a' occurs in each element in a character vector:

```
library(stringr)
```

```
#create character vector
```

```
x <- c('Mavs', 'Cavs', 'Nets', 'Trailblazers', 'Heat')
```

```
#count number of times 'a' occurs in each element in  
vector
```

```
str_count(x, 'a')
```

```
1 1 0 2 1
```

Here's how to interpret the output:

The pattern 'a' occurs 1 time in 'Mavs'
The pattern 'a' occurs 1 time in 'Cavs'
The pattern 'a' occurs 0 times in 'Nets'

And so on.

Note that `str_count()` is also case-sensitive, so a capital

'A' would return 0 for each element in the character vector.

Example 2: Use str_count with Multiple Patterns

The following code shows how to use the str_count() function to count the number of times the letter 'a' or the letter 's' occurs in each element in a character vector:

```
library(stringr)
```

```
#create character vector
```

```
x <- c('Mavs', 'Cavs', 'Nets', 'Trailblazers', 'Heat')
```

```
#count number of times 'a' or 's' occurs in each element  
in vector
```

```
str_count(x, 'a|s')
```

```
2 2 1 3 1
```

Here's how to interpret the output:

The pattern 'a' or 's' occurs 2 times in 'Mavs'
The pattern 'a' or 's' occurs 2 times in 'Cavs'
The pattern 'a' or 's' occurs 1 time in 'Nets'

Note: The | symbol represents an "OR" operator in R.

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