

How can I rename a column in a data frame using its index position with dplyr?

Authored by
stats writer

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To rename a column in a data frame using its index position with dplyr, you can use the `rename_at()` function. This function allows you to specify the index position of the column you want to rename and provide the new desired name. This is a convenient and efficient way to rename columns in a data frame without having to refer to the column names directly.

Rename Column by Index Position Using dplyr

You can use the following syntax to rename a column of a data frame by index position using :

Method 1: Rename One Column by Index

```
#rename column in index position 1  
df %>%  
  rename(new_name1 = 1)
```

Method 2: Rename Multiple Columns by Index

```
#rename column in index positions 1, 2, and 3  
df %>%  
  rename(new_name1 = 1,  
         new_name2 = 2,  
         new_name3 = 3)
```

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

Example 1: Rename One Column by Index

The following code shows how to use the `rename()` function to rename one column by index position:

```
library(dplyr)

#create data frame
df <- data.frame(team=c('A', 'A', 'A', 'A', 'B', 'B', 'B', 'B'),
  points=c(12, 14, 19, 24, 24, 22, 30, 9), assists=c(4, 6, 6, 8,
  3, 7, 8, 11))

#rename column in index position 1
df <- df %>%
  rename(team_new = 1)

#view updated data frame
df
  team_new points assists
1 A      12      4
2 A      14      6
3 A      19      6
4 A      24      8
5 B      24      3
6 B      22      7
7 B      30      8
8 B       9     11
```

Notice that the first column name was changed from team to team_new and all other column names remained the same.

Example 2: Rename Multiple Columns by Index

The following code shows how to use the rename() function to rename multiple columns in the data frame by index position:

```
library(dplyr)
```

```
#create data frame
```

```
df <- data.frame(team=c('A', 'A', 'A', 'A', 'B', 'B', 'B', 'B'),  
points=c(12, 14, 19, 24, 24, 22, 30, 9), assists=c(4, 6, 6, 8,  
3, 7, 8, 11))
```

```
#rename column in index position 1
```

```
df <- df %>%  
rename(team_new = 1,  
assists_new = 3)
```

```
#view updated data frame
```

```
df team_new points assists_new  
1 A 12 4  
2 A 14 6
```

3 A 19 6

4 A 24 8

5 B 24 3

6 B 22 7

7 B 30 8

8 B 9 11

The column names in index position 1 and 3 changed, while the column name in index position 2 remained the same.

The following tutorials explain how to perform other common functions in dplyr: