

How can I change the row names in R using examples?

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In R, the row names of a data frame can be modified using the `rownames()` function. This function allows the user to specify new names for the rows of a data frame, either by providing a vector of names or by assigning a new name to each individual row. For example, to change the row names of a data frame called `df` to be "A", "B", and "C", the following code can be used: `rownames(df) <- c("A", "B", "C")`. This function is useful for organizing and labeling data in a more meaningful way, and it can be applied to various data analysis tasks in R.

Change Row Names in R (With Examples)

You can use the `row.names()` function to quickly get and set the row names of a data frame in R.

This tutorial provides several examples of how to use this function in practice on the built-in `mtcars` dataset in R:

#view first six rows of *mtcars*

head(mtcars)

mpg cyl disp hp drat wt qsec vs am gear carb

Mazda RX4 21.0 6 160 110 3.90 2.620 16.46 0 1 4 4

Mazda RX4 Wag 21.0 6 160 110 3.90 2.875 17.02 0 1 4 4

Datsun 710 22.8 4 108 93 3.85 2.320 18.61 1 1 4 1

Hornet 4 Drive 21.4 6 258 110 3.08 3.215 19.44 1 0 3 1

Hornet Sportabout 18.7 8 360 175 3.15 3.440 17.02 0 0 3

2

Valiant 18.1 6 225 105 2.76 3.460 20.22 1 0 3 1

How to Get Row Names

You can use the following syntax to view the first few row names of the *mtcars* data frame:

```
#view first six row names of mtcars  
head(row.names(mtcars))
```

```
"Mazda RX4" "Mazda RX4 Wag" "Datsun 710"  
Hornet 4 Drive" Hornet Sportabout" "Valiant"
```

How to Change One Row Name

You can use the following syntax to change on specific row name:

```
#change the row name called Datsun710 to  
710row.names(mtcars) <- "710"
```

```
#view first six row names of mtcars  
head(mtcars)
```

```
mpg cyl disp hp drat wt qsec vs am gear carb  
Mazda RX4 21.0 6 160 110 3.90 2.620 16.46 0 1 4 4  
Mazda RX4 Wag 21.0 6 160 110 3.90 2.875 17.02 0 1 4 4  
710 22.8 4 108 93 3.85 2.320 18.61 1 1 4 1  
Hornet 4 Drive 21.4 6 258 110 3.08 3.215 19.44 1 0 3 1
```

```
Hornet Sportabout 18.7 8 360 175 3.15 3.440 17.02 0 0 3
2
```

```
Valiant 18.1 6 225 105 2.76 3.460 20.22 1 0 3 1
```

How to Change All Row Names

You can use the following syntax to change all of the row names to a list of integers starting at 1:

```
#change row names to a list of integers
row.names(mtcars) <- 1:nrow(mtcars)
```

```
#view first six row names of mtcars
head(mtcars)
```

```
mpg cyl disp hp drat wt qsec vs am gear carb
1 21.0 6 160 110 3.90 2.620 16.46 0 1 4 4
2 21.0 6 160 110 3.90 2.875 17.02 0 1 4 4
3 22.8 4 108 93 3.85 2.320 18.61 1 1 4 1
4 21.4 6 258 110 3.08 3.215 19.44 1 0 3 1
5 18.7 8 360 175 3.15 3.440 17.02 0 0 3 2
6 18.1 6 225 105 2.76 3.460 20.22 1 0 3 1
```

You can also use the `paste()` function to append a word in front of each row name:

```
#change row names
```

```
row.names(mtcars) <- paste("row", 1:nrow(mtcars))
```

```
#view first six row names of mtcars
```

```
head(mtcars)
```

```
mpg cyl disp hp drat wt qsec vs am gear carb
```

```
row 1 21.0 6 160 110 3.90 2.620 16.46 0 1 4 4
```

```
row 2 21.0 6 160 110 3.90 2.875 17.02 0 1 4 4
```

```
row 3 22.8 4 108 93 3.85 2.320 18.61 1 1 4 1
```

```
row 4 21.4 6 258 110 3.08 3.215 19.44 1 0 3 1
```

```
row 5 18.7 8 360 175 3.15 3.440 17.02 0 0 3 2
```

```
row 6 18.1 6 225 105 2.76 3.460 20.22 1 0 3 1
```

Note that each row now has the word "row" appended to the front.