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STATOLOGY

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How to Append Rows to a Data Frame in R (With Examples)

You can quickly append one or more rows to a data frame in R by using one of the following methods:

Method 1: Use rbind() to append data frames.

```
rbind(df1, df2)
```

Method 2: Use nrow() to append a row.

```
df[nrow(df) + 1,] = c(value1, value2, ...)
```

This tutorial provides examples of how to use each of these methods in practice.

Method 1: Use rbind() to Append Data Frames

This first method assumes that you have two data frames with the same column names. By using the **rbind()** function, we can easily append the rows of the second data frame to the end of the first data frame.

For example:

```
#define data frame
df1 <- data.frame(var1=c(4, 13, 7, 8),
                  var2=c(15, 9, 9, 13),
                  var3=c(12, 12, 7, 5))
df1

  var1 var2 var3
1    4   15   12
2   13    9   12
3    7    9    7
4    8   13    5


#define second data frame
df2 <- data.frame(var1=c(4, 13),
                  var2=c(9, 12),
                  var3=c(6, 6))
df2

  var1 var2 var3
1    4    9    6
2   13   12    6


#append the rows of the second data frame to end of first data frame
df3 <- rbind(df1, df2)
df3

  var1 var2 var3
1    4   15   12
2   13    9   12
3    7    9    7
4    8   13    5
5    4    9    6
6   13   12    6
```

Method 2: Use nrow() to Append a Row

This method uses the **nrow()** function to append a row to the end of
a given data frame.

For example:

```
#define first data frame
df1 <- data.frame(var1=c(4, 13, 7, 8),
                  var2=c(15, 9, 9, 13),
                  var3=c(12, 12, 7, 5))
df1

  var1 var2 var3
1    4   15   12
2   13    9   12
3    7    9    7
4    8   13    5

#append row to end of data frame
df1[nrow(df1) + 1,] = c(5, 5, 3)
df1

  var1 var2 var3
1    4   15   12
2   13    9   12
3    7    9    7
4    8   13    5
5    5    5    3
```

In order for this method to work, the vector of values that you're appending needs to be the same length as the number of columns in the data frame.

Additional Resources

How to Create an Empty Data Frame in R
How to Loop Through Column Names in R
How to Add an Index Column to a Data Frame in R