

How can I count the number of rows in R and what are some examples of doing so?

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In order to count the number of rows in a dataset using R, you can use the function "nrow()". This function will return the total number of rows present in the dataset. Some examples of using this function include counting the number of observations in a data frame, determining the number of rows in a matrix, or calculating the number of elements in a vector. This function is useful for understanding the size and structure of a dataset and can be used in various data analysis and manipulation tasks in R.

Count Number of Rows in R (With Examples)

You can use the function to count the number of rows in a data frame in R:

#count total rows in data frame
`nrow(df)`

#count total rows with no NA values in any column of data frame
`nrow(na.omit(df))`

#count total rows with no NA values in specific column of data frame
`nrow(df)`

The following examples show how to use the `nrow()` function in practice.

Example 1: Count Total Number of Rows

The following code shows how to count the total number of rows in a data frame:

```
#create data frame
```

```
df <- data.frame(var1=c(1, 3, 3, 4, 5),  
var2=c(7, 7, 8, 6, 2),  
var3=c(9, 9, 6, 6, 8),  
var4=c(1, 1, 2, 8, 9))
```

```
#view data frame
```

```
df
```

```
var1 var2 var3 var4
```

```
1 1 7 9 1
```

```
2 3 7 9 1
```

```
3 3 8 6 2
```

```
4 4 6 6 8
```

```
5 5 2 8 9
```

```
#count total rows in data frame
```

```
nrow(df)
```

```
5
```

There are 5 total rows in this data frame.

Example 2: Count Rows with No NA Values in Any Column

The following code shows how to count the total number of rows in a data frame with no NA values in any column:

```
#create data frame
```

```
df <- data.frame(var1=c(1, 3, 3, 4, 5),  
var2=c(7, 7, 8, NA, 2),  
var3=c(9, 9, NA, 6, 8),  
var4=c(1, 1, 2, 8, 9))
```

```
#view data frame
```

```
df
```

```
var1 var2 var3 var4
```

```
1 1 7 9 1
```

```
2 3 7 9 1
```

```
3 3 8 NA 2
```

```
4 4 NA 6 8
```

```
5 5 2 8 9
```

```
#count total rows in data frame with no NA values in  
any column of data frame  
nrow(na.omit(df))
```

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There are 3 total rows in this data frame that have no NA values in any column.

Example 3: Count Rows with No NA Values in Specific Column

The following code shows how to count the total number of rows in a data frame with no NA values in any column:

```
#create data frame
```

```
df <- data.frame(var1=c(1, 3, 3, 4, 5),  
var2=c(7, 7, 8, NA, 2),  
var3=c(9, NA, NA, 6, 8),  
var4=c(1, 1, 2, 8, 9))
```

```
#view data frame
```

```
df
```

```
var1 var2 var3 var4
```

```
1 1 7 9 1
```

```
2 3 7 NA 1
```

```
3 3 8 NA 2
```

```
4 4 NA 6 8
```

5 5 2 8 9

**#count total rows in data frame with no NA values in
'var2' column of data frame
nrow(df)**

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**There are 4 total rows in this data frame that have no
NA values in the 'var2' column.**