

How to Remove Rows with Any Zeros in R (With Example)

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Removing rows with any zeros in R can be done using the `subset()` function. This function allows you to specify which rows you would like to keep, based on a logical expression. For example, you can use `subset()` to keep only those rows that have all non-zero values by specifying that all columns have values greater than 0. This can be done by writing `subset(dataset, dataset > 0)`. This will return a new dataset containing only those rows that have all non-zero values.

You can use one of the following methods to remove rows with any zeros in a data frame in R:

Method 1: Remove Rows with Any Zeros Using Base R

```
df_new <- df
```

Method 2: Remove Rows with Any Zeros Using dplyr

```
library(dplyr)
```

```
df_new <- filter_if(df, is.numeric, all_vars(!= 0))
```

The following examples show how to use each method in practice with the following data frame:

```
#create data frame
```

```
df <- data.frame(points=c(5, 7, 8, 0, 12, 14, 0, 10, 8),
```

```
assists=c(0, 2, 2, 4, 4, 3, 7, 6, 10),
```

```
rebounds=c(8, 8, 7, 3, 6, 5, 0, 12, 11))
```

```
#view data frame
```

```
df
```

```
points assists rebounds
```

```
1 5 0 8
```

```
2 7 2 8
```

```
3 8 2 7
```

```
4 0 4 3
```

```
5 12 4 6
```

```
6 14 3 5
```

```
7 0 7 0
```

```
8 10 6 12
```

```
9 8 10 11
```

Example 1: Remove Rows with Any Zeros Using Base R

The following code shows how to remove rows with any zeros by using the function from base R:

```
#create new data frame that removes rows with any zeros from original data frame
```

```
df_new <- df
```

```
#view new data frame
```

```
df_new
```

```
points assists rebounds
```

```
2 7 2 8
```

```
3 8 2 7
```

```
5 12 4 6
```

```
6 14 3 5
```

```
8 10 6 12
```

```
9 8 10 11
```

Notice that the three rows with zero values in them have been removed.

Example 2: Remove Rows with Any Zeros Using dplyr

The following code shows how to remove rows with any zeros by using the **filter_if()** function from the **dplyr** package in R:

```
#create new data frame that removes rows with any zeros from original data frame
```

```
df_new <- filter_if(df, is.numeric, all_vars(!= 0))
```

```
#view new data frame
```

```
df_new
```

```
points assists rebounds
```

```
1 7 2 8
```

```
2 8 2 7
```

```
3 12 4 6
```

```
4 14 3 5
```

```
5 10 6 12
```

```
6 8 10 11
```

Notice that the three rows with zero values in them have been removed.

This matches the result that we got using base R.

Note: We used the **is.numeric** function to specify that all numeric variables in the data frame must be non-zero.

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