

How can I select all columns except one in R, and what are some examples of this technique?

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June 26, 2024

RECOMMENDED CITATION

stats writer (2024). *How can I select all columns except one in R, and what are some examples of this technique?*. PSYCHOLOGICAL SCALES. Retrieved from <https://scales.arabpsychology.com/?p=154053>

In R, selecting specific columns from a data frame is a common task in data analysis. However, there may be instances where we want to select all columns except one. This can be achieved by using the negative sign (-) in front of the column name that we want to exclude. For example, if we have a data frame named "df" with columns "A", "B", "C", and "D", and we want to select all columns except "C", we can use the code "df" to achieve this.

This technique can be useful in scenarios where we want to perform operations on all columns except a specific one, or when we want to view the data without a certain column. It can also be used in conjunction with other functions such as "dplyr" or "tidyverse" to manipulate data frames.

Some examples of using this technique include removing sensitive information such as personal names or IDs from a dataset, selecting all numeric columns for data analysis, or excluding irrelevant columns from a visualization. Overall, the ability to select all columns except one in R provides flexibility and convenience in handling data frames for various analytical purposes.

Select All But One Column in R (With Examples)

You can use the following methods to select all but one column in a data frame in R:

Method 1: Select All But One Column by Position

```
#select all but the third column  
df
```

Method 2: Select All But One Column by Name

```
#select all but column named 'this_column'  
df]
```

The following examples show how to use each method

in practice with the following data frame in R:

```
#create data frame
```

```
df <- data.frame(team=c('A', 'B', 'C', 'D', 'E'),  
points=c(99, 90, 86, 88, 95),  
assists=c(33, 28, 31, 39, 34),  
rebounds=c(30, 28, 24, 24, 28))
```

```
#view data frame
```

```
df
```

```
team points assists rebounds
```

```
1 A 99 33 30
```

```
2 B 90 28 28
```

```
3 C 86 31 24
```

```
4 D 88 39 24
```

```
5 E 95 34 28
```

Example 1: Select All But One Column by Position

The following code shows how to select all but the column in the third position of the data frame:

```
#select all but the third column
```

```
df
```

team points rebounds

1 A 99 30

2 B 90 28

3 C 86 24

4 D 88 24

5 E 95 28

Notice that all of the columns except the one in the third position of the data frame have been selected.

Example 2: Select All But One Column by Name

The following code shows how to select all but the column with the name 'assists' in the data frame:

```
#select all columns except the column with the name  
'assists'  
df]
```

team points rebounds

1 A 99 30

2 B 90 28

3 C 86 24

4 D 88 24

5 E 95 28

Notice that all of the columns except the one with the name 'assists' have been selected.

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