

How to Filter For Unique Values Using dplyr?

Authored by
stats writer

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Using the dplyr package in R, you can filter for unique values by using the `distinct()` function. This function takes a data frame as its argument and returns a new data frame with only the unique values from the original data frame. This can be useful when you want to remove duplicate values from a dataset or when you want to remove rows with identical values.

You can use the following methods to filter for unique values in a data frame in R using the package:

Method 1: Filter for Unique Values in One Column

```
df %>% distinct(var1)
```

Method 2: Filter for Unique Values in Multiple Columns

```
df %>% distinct(var1, var2)
```

Method 3: Filter for Unique Values in All Columns

```
df %>% distinct()
```

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', 'A', 'A', 'A', 'B', 'B', 'B', 'B'),
points=c(10, 10, 8, 6, 15, 15, 12, 12),
rebounds=c(8, 8, 4, 3, 10, 11, 7, 7))
```

```
#view data frame
```

```
df
```

```
team points rebounds
```

```
1 A 10 8
```

```
2 A 10 8
```

```
3 A 8 4
```

```
4 A 6 3
```

```
5 B 15 10
```

```
6 B 15 11
```

```
7 B 12 7
```

```
8 B 12 7
```

Example 1: Filter for Unique Values in Column

We can use the following code to filter for unique values in just the **team** column:

```
library(dplyr)
```

```
#select only unique values in team column  
df %>% distinct(team)
```

```
team
```

```
1 A
```

```
2 B
```

Notice that only the unique values in the **team** column are returned.

Example 2: Filter for Unique Values in Multiple Columns

We can use the following code to filter for unique values in the **team** and **points** columns:

```
library(dplyr)
```

```
#select unique values in team and points columns  
df %>% distinct(team, points)
```

```
team points
```

```
1 A 10
```

```
2 A 8
```

```
3 A 6
```

```
4 B 15
```

```
5 B 12
```

Notice that only the unique values in the **team** and **points** columns are returned.

Example 3: Filter for Unique Values in All Columns

We can use the following code to filter for unique values across all columns in the data frame:

```
library(dplyr)
```

```
#select unique values across all columns  
df %>% distinct()
```

team points rebounds

1 A 10 8

2 A 8 4

3 A 6 3

4 B 15 10

5 B 15 11

6 B 12 7

Notice that the unique values across all three columns are returned.

Note: You can find the complete documentation for the **distinct** function in dplyr .

The following tutorials explain how to perform other common operations in dplyr:

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