

# How can I find the unique values in a column using the R programming language?

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## RECOMMENDED CITATION

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To find the unique values in a column using the R programming language, one can use the "unique()" function. This function takes in a column as an argument and returns a vector of all the unique values present in that column. This allows for easy identification and manipulation of data without any repeated values. The "unique()" function is a useful tool for data analysis and management in R.

## R: Find Unique Values in a Column

You can use the unique() function in R to find unique values in a column of a data frame.

This tutorial provides several examples of how to use this function with the following data frame:

```
#create data frame
```

```
df <- data.frame(team=c('A', 'A', 'B', 'B', 'C', 'C'),  
points=c(90, 99, 90, 85, 90, 85),  
assists=c(33, 33, 31, 39, 34, 34),  
rebounds=c(30, 28, 24, 24, 28, 28))
```

```
#view data frame
```

```
df
```

```
team points assists rebounds
```

```
1 A 90 33 30
```

```
2 A 99 33 28
```

```
3 B 90 31 24
```

**4 B 85 39 24**

**5 C 90 34 28**

**6 C 85 34 28**

#### Example 1: Find Unique Values in Column

The following code shows how to find unique values in the 'team' column:

```
#find unique values in 'team' column  
unique(df$team)
```

**"A" "B" "C"**

We can use similar syntax to find unique values in the 'points' column:

```
#find unique values in 'points' column  
unique(df$points)
```

**90 99 85**

#### Example 2: Find & Sort Unique Values in Column

The following code shows how to find and sort unique values in the 'points' column:

```
#find and sort unique values in 'points' column  
sort(unique(df$points))
```

```
85 90 99
```

We can also sort unique values in a descending order:

```
#find and sort unique values in 'points' column  
sort(unique(df$points), decreasing=TRUE)
```

```
99 90 85
```

Example 3: Find & Count Unique Values in Column

The following code shows how to find and count the number of each unique value in the 'points' column:

```
#find and count unique values in 'points' column  
table(df$points)
```

```
85 90 99
```

```
2 3 1
```

From the output we can see:

The value 85 occurs 2 times. The value 90 occurs 3

**times. The value 99 occurs 1 time.**

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