

How can the slice() function in dplyr be used?

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The slice() function in dplyr is a useful tool for manipulating data by selecting specific rows from a data frame. This function takes in two arguments: the data frame and the indices of the rows to be selected. It can be used to extract a single row, a range of rows, or a random sample of rows from a data frame. Additionally, the slice() function can be combined with other dplyr functions, such as filter() and arrange(), to further customize the selection of rows. Overall, the slice() function provides a convenient and efficient way to subset data and perform further analysis or visualization.

Use the slice() Function in dplyr (With Examples)

You can use the function from the dplyr package in R to subset rows based on their integer locations.

You can use the following methods to subset certain rows in a data frame:

Method 1: Subset One Specific Row

```
#get row 3 only  
df %>% slice(3)
```

Method 2: Subset Several Rows

```
#get rows 2, 5, and 6  
df %>% slice(2, 5, 6)
```

Method 3: Subset A Range of Rows

```
#get rows 1 through 3  
df %>% slice(1:3)
```

Method 4: Subset Rows by Group

```
#get first row by group  
df %>%  
group_by(var1) %>%  
slice(1)
```

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

```
#create dataset  
df <- data.frame(team=c('A', 'A', 'A', 'B', 'B', 'C', 'C'),  
points=c(1, 2, 3, 4, 5, 6, 7),  
assists=c(1, 5, 2, 3, 2, 2, 0))
```

```
#view dataset  
df
```

```
team points assists  
1 A 1 1  
2 A 2 5  
3 A 3 2
```

4 B 4 3

5 B 5 2

6 C 6 2

7 C 7 0

Example 1: Subset One Specific Row

The following code shows how to use the slice() function to select only row 3 in the data frame:

```
#get row 3 only  
df %>% slice(3)
```

team points assists

1 A 3 2

Example 2: Subset Several Rows

The following code shows how to use the slice() function to select several specific rows in the data frame:

```
#get rows 2, 5, and 6  
df %>% slice(2, 5, 6)
```

team points assists

1 A 2 5

2 B 5 2

3 C 6 2

Example 3: Subset A Range of Rows

The following code shows how to use the slice() function to select all rows in the range 1 through 3:

```
#get rows 1 through 3  
df %>% slice(1:3)
```

team points assists

1 A 1 1

2 A 2 5

3 A 3 2

Example 4: Subset Rows by Group

The following code shows how to use the slice() function to select the first row in certain groups:

```
#get first row by group  
df %>%  
group_by(team) %>%  
slice(1)
```

```
# A tibble: 3 x 3  
# Groups: team  
team points assists
```

```
1 A 1 1
```

```
2 B 4 3
```

```
3 C 6 2
```

Additional Resources

The following tutorials explain how to perform other common functions using dplyr:

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