

# How to Filter by Row Number Using dplyr

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## RECOMMENDED CITATION

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Using dplyr, you can filter by row number by using the filter function and specifying the appropriate row number. For example, the code `filter(df, row_number() == 5)` will filter the data frame df to include only the fifth row. Additionally, you can use the slice function to filter a range of rows within the data frame. For example, the code `slice(df, c(2,6))` will filter the data frame df to include only rows 2 through 6.

You can use the following methods to filter a data frame by row number using the **slice** function from the package:

### Method 1: Filter by Specific Row Numbers

```
df %>% slice(2, 3, 8)
```

This will return row numbers 2, 3, and 8.

### Method 2: Filter by Range of Row Numbers

```
df %>% slice(2:5)
```

This will return rows 2 through 5.

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', 'F', 'G', 'H'),
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 B 10 8
```

```
3 C 8 4
```

```
4 D 6 3
```

```
5 E 15 10
```

```
6 F 15 11
```

```
7 G 12 7
```

```
8 H 12 7
```

## Example 1: Filter by Specific Row Numbers

We can use the following code to filter for rows 2, 3, and 8:

```
library(dplyr)
```

```
#filter for only rows 2, 3, and 8  
df %>% slice(2, 3, 8)
```

```
team points rebounds
```

```
1 B 10 8
```

```
2 C 8 4
```

```
3 H 12 7
```

Notice that only rows **2**, **3**, and **8** are returned from the original data frame.

## Example 2: Filter By Range of Row Numbers

We can use the following code to filter for rows between 2 and 5:

```
library(dplyr)
```

```
#filter for rows between 2 and 5  
df %>% slice(2:5)
```

```
team points rebounds
```

```
1 B 10 8
```

```
2 C 8 4
```

```
3 D 6 3
```

```
4 E 15 10
```

Notice that only the rows between **2** and **5** are returned from the original data frame.

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