Learn / **Data Science R Basics**

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Exercise

filtering by two conditions

Suppose you want to live in the Northeast or West **and** want the murder rate to be less than 1. We want to see the data for the states satisfying these options. Note that you can use logical operators with `filter` :

```
filter(murders, population < 5000000 & region == "Northeast")
```

⊘ Instructions

100 XP

- Add a murder rate column and a rank column as done before

- Create a table, call it `my_states` , that satisfies both the conditions: it is in the Northeast or West and the murder rate is less than 1.

- Use select to show only the state name, the rate and the rank

☐ **Take Hint (-30 XP)**

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script.R

☽ **Dark Mode**

```
1   # add the rate column
2   murders <- mutate(murders, rate =  total / population * 100000, rank = rank
    (-rate))
3
4   # Create a table, call it my_states, that satisfies both the conditions
5   my_states<-filter(murders,region %in% c("Northeast","West") & rate<1)
6   # Use select to show only the state name, the murder rate and the rank
7   select(my_states,state,rate,rank)
```

↺   **Run Code**   **Submit Answer**

R Console