Learn / **Data Science R Basics**   •••

Exercise   ‹

Data Frames, Ranks and Orders

This exercise is somewhat more challenging. We are going to repeat the previous exercise but this time order `my_df` so that the states are ordered from least populous to most.

⊘ Instructions   100 XP

- Create variables `states` and `ranks` to store the state names and ranks by population size respectively.

- Create an object `ind` that stores the indexes needed to order the population values, using the `order` command. For example we could define
  `o <- order(murders$population)`

- Create a data frame with both variables following the correct order. Use the bracket operator `[` to re-order each column in the data frame. For example, `states[o]` orders the abbreviations based by population size.

- The columns of the data frame must be in the specific order and have the specific names: `states` , `ranks` .

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script.R   ☽ **Dark Mode**

```r
1   # Define a variable states to be the state names from the murders data frame
2   states<-murders$state
3
4   # Define a variable ranks to determine the population size ranks
5   ranks<-rank(murders$population)
6   # Define a variable ind to store the indexes needed to order the population values
7   ind<- order(murders$population)
8
9   # Create a data frame my_df with the state name and its rank and ordered from least populous to most
10  my_df<- data.frame(name = states[ind], rank = ranks[ind])
```

↺ | Run Code | **Submit Answer**

R Console