GUIDED PROJECT
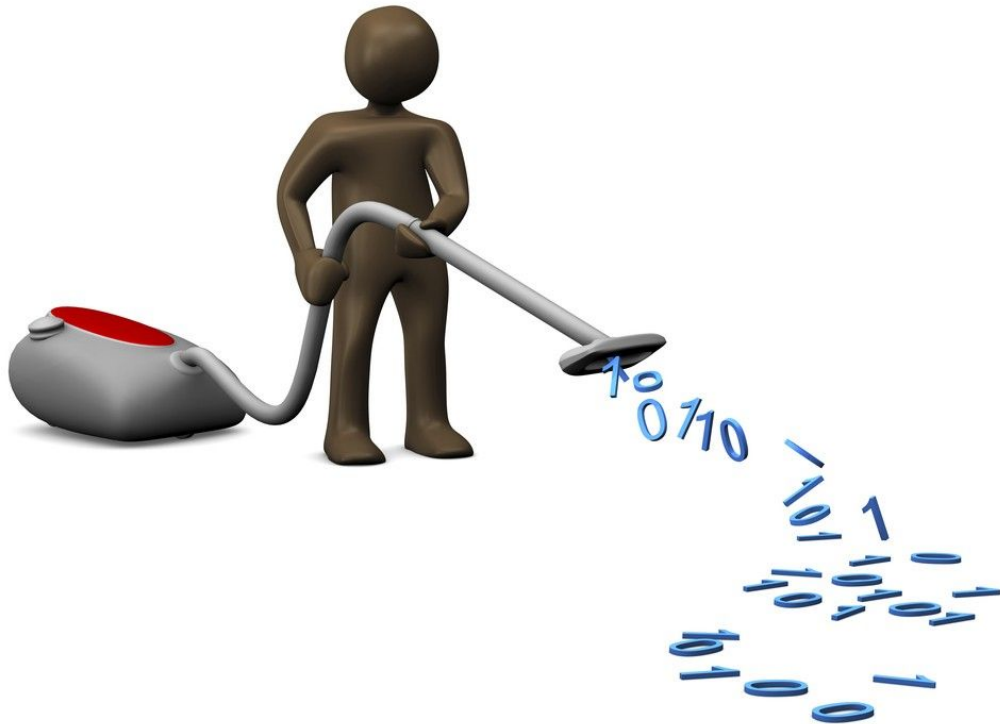
Practice Assessment (after Task 6)

Tidy Messy Data using tidyr in R

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This quiz is optional and ungraded.
The goal is to test your understanding.

As an R user with an understanding of the tidyr package. You have been tasked to replace the missing values in the cty (city miles per gallon) column of the mpg data set with the value 5. Write a code to achieve this task.

Hint: The tidyr package and the mpg data set are already imported into the R workspace for you.

A. mpg %>% replacena(list(cty = 5L))

B. mpg %>% replace_na(cty = list(5L))

C. mpg %>% replace_na(list(cty = 5L))

D. mpg %>% replacena(cty = list(5))

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Hint: The tidyr package and the mpg data set are already imported into the R workspace for you.

A.   mpg %>% replacena(list(cty = 5L))

Incorrect: The replace_na() function is not correctly specified

B.   mg %>% replace_na(cty = list(5L))

Incorrect: The replace_na() argument is not correctly specified

C.   mpg %>% replace_na(list(cty = 5L))

Correct: The code will correctly replace all the missing values in the cty column with 5 and it will give the correct data type (integer/numeric) upon replacement.

D.   mpg %>% replacena(cty = list(5))

Incorrect: The replace_na() function and its argument are not correctly specified

Peter is an beginner R user who just started learning about tidying data in R. He has a data set with two columns; age and gender (Male and Female) of participants in a survey. He desires to create two columns where each column contains the ages of the two genders in this dataset. He read about the unstack function. However, the unstack function is not working as it should. What do you suggest should be done to the unstack function to make it work? And how should the argument be specified?

A. Add a type argument: Specify the gender column first

B. Add a type argument: Specify the age column first

C. Add a form argument: Specify the gender column first

D. Add a form argument: Specify the age column first

Peter is an beginner R user who just started learning about tidying data in R. He has a data set with two columns; age and gender (Male and Female) of participants in a survey. He desires to create two columns where each column contains the ages of the two genders in this dataset. He read about the unstack function. However, the unstack function is not working as it should. What do you suggest should be done to the unstack function to make it work? And how should the argument be specified?

A. Add a type argument: Specify the gender column first
   Incorrect: The unstack function does not have a type argument

B. Add a type argument: Specify the age column first
   Incorrect: The unstack function does not have a type argument

C. Add a form argument: Specify the gender column first
   Incorrect: In specifying the two-sided formula, the column to be unstacked comes first

D. Add a form argument: Specify the age column first
   Correct: In specifying the two-sided formula, the column to be unstacked comes first. In this case, the age column comes first