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Week 1 Quiz



3/5 points earned (60%)

You haven't passed yet. You need at least 80% to pass. Review the material and try again! You have 3 attempts every 8 hours.

Review Related Lesson



1/1 points

1

The American Community Survey distributes downloadable data about United States communities. Download the 2006 microdata survey about housing for the state of Idaho using download.file() from here:

https://d396qusza40orc.cloudfront.net/getdata%2Fdata%2Fss06hid.csv

and load the data into R. The code book, describing the variable names is here:

https://d396qusza40orc.cloudfront.net/getdata%2Fdata%2FPUMSDataDict06.pdf

How many properties are worth \$1,000,000 or more?

- 0
- 47
- \circ
 - 31
- O
- 53

Correct Response

0

164



0/1 points

2.

Use the data you loaded from Question 1. Consider the variable FES in the code book. Which of the "tidy data" principles does this variable violate?

- O Each variable in a tidy data set has been transformed to be interpretable.
- O Tidy data has variable values that are internally consistent.

Incorrect Response

- O Tidy data has one variable per column.
- Numeric values in tidy data can not represent categories.



1/1 points

3.

Download the Excel spreadsheet on Natural Gas Aquisition Program here:

https://d396qusza40orc.cloudfront.net/getdata%2Fdata%2FDATA.gov_NGAP.xlsx

Read rows 18-23 and columns 7-15 into R and assign the result to a variable called:

1 dat

What is the value of:

1 sum(dat\$Zip*dat\$Ext,na.rm=T)

(original data source: http://catalog.data.gov/dataset/natural-gas-acquisition-program)



33544718

0	36534720
Correct Response	
0	NA
0	154339
~	1 / 1 points
4. Read the XML data on Baltimore restaurants from here:	
https://d396qusza40orc.cloudfront.net/getdata%2Fdata%2Frestaurants.xml	
How many restaurants have zipcode 21231?	
0	156
0	127
Correct Response	
0	100
0	17
×	0 / 1 points

5.

The American Community Survey distributes downloadable data about United States communities. Download the 2006 microdata survey about housing for the state of Idaho using download.file() from here:

https://d396qusza40orc.cloudfront.net/getdata%2Fdata%2Fss06pid.csv

using the fread() command load the data into an R object

1 DT

The following are ways to calculate the average value of the variable

1 pwgtp15

broken down by sex. Using the data.table package, which will deliver the fastest user time?

mean(DT[DT\$SEX==1,]\$pwgtp15); mean(DT[DT\$SEX==2,]\$pwgtp15)

orwMeans(DT)[DT\$SEX==1]; rowMeans(DT)[DT\$SEX==2]

tapply(DT\$pwgtp15,DT\$SEX,mean)

Sapply(split(DT\$pwgtp15,DT\$SEX),mean)

Incorrect Response

O DT[,mean(pwgtp15),by=SEX]

Mean(DT\$pwgtp15,by=DT\$SEX)



