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## Week 1 Quiz



3/5 questions correct

You haven't passed yet. You need at least 4 questions correct to pass.

Review the material and try again! You have 3 retakes every 8 hours.

Review Related Lesson (/learn/data-cleaning/home/week/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 (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 (https://d396qusza40orc.cloudfront.net /getdata%2Fdata%2FPUMSDataDict06.pdf)

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

	53	
Well done!		
	2076	
	2076	
	25	
$\bigcirc$	164	



Use the data you loaded from Question 1. Consider the variable FES in

he coo violate	de book. Which of the "tidy data" principles does this variable?	
	Numeric values in tidy data can not represent categories.	
Sorry, that's incorrect.		
$\bigcirc$	Each variable in a tidy data set has been transformed to be interpretable.	
	Tidy data has one variable per column.	
$\bigcirc$	Tidy data has variable values that are internally consistent.	



Download the Excel spreadsheet on Natural Gas Aquisition Program here:

https://d396qusza40orc.cloudfront.net /getdata%2Fdata%2FDATA.gov\_NGAP.xlsx (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:

dat			
What is the value of:			
<pre>sum(dat\$Zip*dat\$Ext,na.rm=T)</pre>			
(original data source: http://catalog.data.gov/dataset/natural-gas-acquisition-program (http://catalog.data.gov/dataset/natural-gas-acquisition-program))			
Sorry, that's incorrect.			
	36534720		
$\bigcirc$	338924		
$\bigcirc$	184585		



Read the XML data on Baltimore restaurants from here:

https://d396qusza40orc.cloudfront.net/getdata%2Fdata%2Frestaurants.xml (https://d396qusza40orc.cloudfront.net/getdata%2Fdata%2Frestaurants.xml)

How many restaurants have zipcode 21231?			
$\bigcirc$	100		
$\bigcirc$	181		
$\bigcirc$	130		
	127		
Well done!			



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

DT		
The following are ways to calculate the average value of the variable		
pwgt	p15	
broken down by sex. Using the data.table package, which will deliver the fastest user time?		
	rowMeans(DT)[DT\$SEX==1]; rowMeans(DT)[DT\$SEX==2]	
	DT[,mean(pwgtp15),by=SEX]	
Well done!		
	mean(DT\$pwgtp15,by=DT\$SEX)	
	mean(DT[DT\$SEX==1,]\$pwgtp15); mean(DT[DT\$SEX==2,]\$pwgtp15)	
$\bigcirc$	sapply(split(DT\$pwgtp15,DT\$SEX),mean)	
$\bigcirc$	tapply(DT\$pwgtp15,DT\$SEX,mean)	





