Close

Week 3 Quiz

5 questions

*Passed*

*Passed, but unverified*

*Failed*

**/** points earned (%)

Quiz passed!

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

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

Identity-verification is pending: We will manually review your photo within a few days.

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loading   https://d3njjcbhbojbot.cloudfront.net/web/images/icons/loading.gif

Load Error!

1  
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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>

Create a logical vector that identifies the households on greater than 10 acres who sold more than $10,000 worth of agriculture products. Assign that logical vector to the variable agricultureLogical. Apply the which() function like this to identify the rows of the data frame where the logical vector is TRUE.

which(agricultureLogical)

What are the first 3 values that result?



59, 460, 474



403, 756, 798



125, 238,262



236, 238, 262

1  
point

2.

Using the jpeg package read in the following picture of your instructor into R

<https://d396qusza40orc.cloudfront.net/getdata%2Fjeff.jpg>

Use the parameter native=TRUE. What are the 30th and 80th quantiles of the resulting data? (some Linux systems may produce an answer 638 different for the 30th quantile)



-14191406 -10904118



-15259150 -10575416



-10904118 -10575416



-15259150 -594524

1  
point

3.

Load the Gross Domestic Product data for the 190 ranked countries in this data set:

<https://d396qusza40orc.cloudfront.net/getdata%2Fdata%2FGDP.csv>

Load the educational data from this data set:

<https://d396qusza40orc.cloudfront.net/getdata%2Fdata%2FEDSTATS_Country.csv>

Match the data based on the country shortcode. How many of the IDs match? Sort the data frame in descending order by GDP rank (so United States is last). What is the 13th country in the resulting data frame?

Original data sources:

<http://data.worldbank.org/data-catalog/GDP-ranking-table>

<http://data.worldbank.org/data-catalog/ed-stats>



190 matches, 13th country is St. Kitts and Nevis



190 matches, 13th country is Spain



234 matches, 13th country is Spain



189 matches, 13th country is Spain



189 matches, 13th country is St. Kitts and Nevis



234 matches, 13th country is St. Kitts and Nevis

1  
point

4.

What is the average GDP ranking for the "High income: OECD" and "High income: nonOECD" group?



133.72973, 32.96667



23, 30



23.966667, 30.91304



32.96667, 91.91304



23, 45



30, 37

1  
point

5.

Cut the GDP ranking into 5 separate quantile groups. Make a table versus Income.Group. How many countries

are Lower middle income but among the 38 nations with highest GDP?



3



18



5



0



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5 questions unanswered

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