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#Week 2 Practice Code

#### If you have not installed the tidyverse yet, run the line below.
#install.packages("tidyverse")

library(tidyverse)

#####RUN THIS CODE WITHOUT MODIFICATION
###This will import the survey data we have been working with in this course
and drop data with missing rows from the data
dat <-
drop_na(read_csv(url("https://www.dropbox.com/s/uhfstf6g36ghxwp/cces_sample_c
oursera.csv?raw=1")))

# Problem 1

# The object "dat" created in the assignment code will import the survey data
for the assignment using read_csv, thereby creating a tibble. Using that
object as your data, use select() to create a new tibble that include only
the columns for educational level, whether the respondent has an educational
loan, employment status, and Trump approval. Display that object. Hint:
consult the codebook to identify the correct column names.

#### Write your code below:

# Problem 2

# Continuing to use the new data table you created in Problem 1, use recode()
to create a new column named "trump_approve_disapprove" that recodes the
column for President Trump's job approval. A value of "1" should mean that
the respondent either "strongly" or "somewhat" approves of the President, and
a value of 0 should mean that the respondent either "strongly" or "somewhat"
DISapproves of the president. Display the resulting object.


#### Write your code below:


# Problem 3

# Use summarise() to create a summary table for survey respondents who are
employed full time and are married. The table should have the mean and median
for the importance of religion column.


#### Write your code below:


id_number: respondent ID number

region: In which census region do you live?
        1 Northwest
        2 Midwest
        3 South
        4 West
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gender: Are you...
        1 Male
        2 Female

educ: What is the highest level of education you have completed?
        1 No high school
        2 High school graduate
        3 Some college
        4 2-year
        5 4-year
        6 Post-grad

edloan: Are you currently responisble for paying off a student loan?
        1 Yes
        2 No

race: What racial or ethnic group best describes you?
        1 White
        2 Black
        3 Hispanic
        4 Asian
        5 Native American
        6 Mixed
        7 Other
        8 Middle Eastern

hispanic: Are you of Spanish, Latino, or Hispanic origin or descent?
        1 Yes
        2 No

employ: Which of the following best describes your current employment status?
        1 Full-time
        2 Part-time
        3 Temporarily laid off
        4 Unemployed
        5 Retired
        6 Permanently disabled
        7 Homemaker
        8 Student
        9 Other

marstat: What is you marital status?
        1 Married
        2 Separated
        3 Divorced
        4 Widowed
        5 Never married
        6 Domestic/civil partnership

pid7: Generally speaking, do you think of yourself as a...?
        1 Strong Democrat
        2 Not very strong Democrat
        3 Lean Democrat
        4 Independent
        5 Lean Republican
        6 Not very strong Republican
        7 Strong Republican
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ideo5: In general, how would you describe your own political viewpoint?
        1 Very liberal
        2 Liberal
        3 Moderate
        4 Conservative
        5 Very conservative

pew_religimp: How important is religion in yuor life?
        1 Very important
        2 Somewhat important
        3 Not too important
        4 Not at all important

newsint: Some people seem to follow what's going on in government and public
affairs most of the time, whether there's an election going on or not. Others
aren't that interested. Would you say you follow what's going on in
government and public affairs...
        1 Most of the time
        2 Some of the time
        3 Only now and then
        4 Hardly at all

faminc_new: Thinking back over the last year, what was your family's annual
income?
 1 Less than $10,000
 2 $10,000 - $19,999
 3 $20,000 - $29,999
 4 $30,000 - $39,999
 5 $40,000 - $49,999
 6 $50,000 - $59,999
 7 $60,000 - $69,999
 8 $70,000 - $79,999
 9 $80,000 - $99,999
 10 $100,000 - $119,999
 11 $120,000 - $149,999
 12 $150,000 - $199,999
 13 $200,000 - $249,999
 14 $250,000 - $349,999
 15 $350,000 - $499,999
 16 $500,000 or more

union: Are you a member of a labor union?
1 Yes, I am currently a member of a labor union
2 I formerly was a member of a labor union
3 I am not now, nor have I been, a member of a labor union


investor: Do you personally (or jointly with a spouse), have any money
invested in the stock market
right now, either in an individual stock or in a mutual fund?
 1 Yes
 2 No



CC18_308a Job approval — President Trump
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Do you approve or disapprove of the way each is doing their job...
1 Strongly approve
2 Somewhat approve
3 Somewhat disapprove
4 Strongly disapprove

CC18_310a Party Recall + Name Recognition - Governor
Please indicate whether you've heard of this person and if so which party he or she is affiliated
with...
1 Never heard of person
2 Republican
3 Democrat
4 Other Party / Independent
5 Not sure

CC18_310b Party Recall + Name Recognition - Senator 1
Please indicate whether you've heard of this person and if so which party he or she is affiliated
with...
1 Never heard of person
2 Republican
3 Democrat
4 Other Party / Independent
5 Not sure

CC18_310c Party Recall + Name Recognition - Senator 2
Please indicate whether you've heard of this person and if so which party he or she is affiliated
with...
1 Never heard of person
2 Republican
3 Democrat
4 Other Party / Independent
5 Not sure

CC18_310d Party Recall + Name Recognition - Representative

Please indicate whether you've heard of this person and if so which party he or she is affiliated
with...
1 Never heard of person
2 Republican
3 Democrat
4 Other Party / Independent
5 Not sure

CC18_325a Taxes â€" Cut the Corporate Income Tax rate from 39 percent to 21 percent.

Congress considered many changes in tax law over the past two years. Do you support or
oppose each of the following?
1 Support

2 Oppose

CC18_325b Taxes â€" Reduce the mortgage interest deduction. Allow people to deduct the interest on no more than
$500,000 of mortgage debt. The previous limit was $1 million.
Congress considered many changes in tax law over the past two years. Do you support or
oppose each of the following?
1 Support
2 Oppose

CC18_325c Taxes â€" Limit the amount of state and local taxes that can be deducted to $10,000 (previously there was no limit).
Congress considered many changes in tax law over the past two years. Do you support or
oppose each of the following?
1 Support
2 Oppose

CC18_325d Taxes â€" Increase the standard deduction on federal income taxes from $12,000 to to $25,000
Congress considered many changes in tax law over the past two years. Do you support or
oppose each of the following?
1 Support
2 Oppose