

6060 Lab Quiz: Oct 18, 2016

Overview

Start a new Github project called: week4_lab_quiz

Create a script file called: quiz_script.R

Create analytic data

In that file do the following:

Obtain the data for the lab quiz using the following line:

```
bfi_data <- psych::bfi
```

The data dictionary is on the next page. Create a data frame/table called analytic_data.

You may assume that all values in the data are correct (i.e., you do not need to check for out of range values).

This data frame/table should include the columns:

```
agreeableness  
extraversion  
neuroticism  
gender  
education  
age
```

****Note that when creating these scales you will need to reverse key some items. Read the items on the following page to determine which ones need to be reverse keyed.**

Save the analytic data set with the name "analytic_data.csv"

Conduct analyses

- 1) Create an APA style correlation table in MS Word based on agreeableness, extraversion, neuroticism, gender, education, and age (i.e., don't include gender). Name the file: "Table1.doc"
- 2) Create the same correlation table again but based just on men over the age of 40. Name the file: "Table2.doc"
- 3) Create a scatter plot of the relation between agreeableness and extraversion for men over the age of 40. Name the file: "Figure1.pdf"
- 4) Write a single APA style sentence describing the correlation (and CI) for the relation between agreeableness and extraversion for men over the age of 40. Put it in a Word file (i.e., old school) called: "Text.doc"

Bonus:

Do all of the above in an RMarkdown file called: "quiz_markdown.Rmd"

Data Dictionary /Code book

Agreeableness (A), Conscientiousness (C), Extraversion(E), Neuroticism(N), and Openness (O)

The item data were collected using a 6-point response scale: 1 Very Inaccurate 2 Moderately Inaccurate 3 Slightly Inaccurate 4 Slightly Accurate 5 Moderately Accurate 6 Very Accurate

<p>A1 Am indifferent to the feelings of others. (q_146) ✓</p> <p>A2 Inquire about others' well-being. (q_1162) ✓</p> <p>A3 Know how to comfort others. (q_1206) ✓</p> <p>A4 Love children. (q_1364) ✓</p> <p>A5 Make people feel at ease. (q_1419) ✓</p> <p>C1 Am exacting in my work. (q_124) ✓</p> <p>C2 Continue until everything is perfect. (q_530) ✓</p> <p>C3 Do things according to a plan. (q_619) ✓</p> <p>C4 Do things in a half-way manner. (q_626) ✓</p> <p>C5 Waste my time. (q_1949) ✓</p> <p>E1 Don't talk a lot. (q_712) ✓</p> <p>E2 Find it difficult to approach others. (q_901) ✓</p> <p>E3 Know how to captivate people. (q_1205) ✓</p> <p>E4 Make friends easily. (q_1410) ✓</p> <p>E5 Take charge. (q_1768) ✓</p> <p>N1 Get angry easily. (q_952) ✓</p> <p>N2 Get irritated easily. (q_974) ✓</p> <p>N3 Have frequent mood swings. (q_1099) ✓</p> <p>N4 Often feel blue. (q_1479) ✓</p> <p>N5 Panic easily. (q_1505) ✓</p>	<p>O1 Am full of ideas. (q_128) ✓</p> <p>O2 Avoid difficult reading material. (q_316) ✓</p> <p>O3 Carry the conversation to a higher level. (q_492) ✓</p> <p>O4 Spend time reflecting on things. (q_1738) ✓</p> <p>O5 Will not probe deeply into a subject. (q_1964) ✓</p> <p>gender Males = 1, Females = 2</p> <p>education 1 = HS, 2 = finished HS, 3 = some college, 4 = college graduate 5 = graduate degree</p> <p>age age in years</p>
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