

RStudio lab assignment: correlation

Assignment instructions

- 1) Create a correlation analysis table using **age** and **hompop** variables (5 points) and interpret it using r-value and p-value (10 points).

Code (-5):	correlation analysis table code here make sure there are no spaces in variable names. wrong: "age " correct: "age"
Table:	
Interpretation:	

- 2) Create a correlation scatterplot graph using **age** and **hompop** variables (5 points).

Code (-5):	correlation scatterplot graph code here make sure there are no spaces in variable names. wrong: "age " correct: "age"
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Graph:	
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3) Create a correlation analysis table using `mapres10` and `papres10` variables (5 points) and interpret it using r-value and p-value (10 points).

Code (-5):	correlation analysis table code here make sure there are no spaces in variable names. wrong: "mapres10 " correct: "mapres10"
Table:	
Interpretation:	

4) Create a correlation scatterplot graph using `mapres10` and `papres10` variables (5 points).

Code (-5):	correlation scatterplot graph code here make sure there are no spaces in variable names. wrong: "mapres10 " correct: "mapres10"
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Graph:

5) Create a correlation matrix table using `hompop`, `sibs`, `mapres10`, `papres10`, `childs`, `age`, and `coninc` variables (10 points)

5.1) interpret the correlation between `age` and `coninc` variables (5 points).

5.2) interpret the correlation between `childs` and `mapres10` variables (5 points).

Code (-5):

correlation table matrix code here
make sure there are no spaces in variable names.
wrong: "age "
correct: "age"

Table:

**Interpretation
(maeduc and
tvhours):**

Interpretation (age and paeduc):	
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6) Create a scatterplot graph matrix using **hompop**, **sibs**, **mapres10**, **papres10**, **childs**, **age**, and **coninc** variables (15 points)

Code (-5):	scatterplot graph matrix code here make sure there are no spaces in variable names. wrong: "hompop " correct: "hompop"
Graph:	