

R Test

E. F. Haghish

25/8/2022



Test

- ▶ I present a series of tasks
- ▶ Raise your hand if you can do that
- ▶ give yourself a score of 1 for each item that you can perform in R
 - ▶ if you can do it by looking up help files or googling, give yourself the score!
 - ▶ **a programmer is a person who can effectively find the right answer on stackoverflow.com**

1. Write an R function that converts every character variable in a dataset to a factor and returns a data.frame

2. Write a `for` loop that converts every character variable in a dataset to a factor

3. create a barplot in R

4. remove missing data from dataset

5. select the subset of the dataset where all participants are *male and are over 16 years old*

6. calculate sumscore for several comulns (e.g. items of depression scale)

7. fit a linear model with R

8. recode values of 98 and 99 in a column as NA

9. read a CSV file, a SPSS file, Stata file, or Excel sheet into R

10. reshape a dataset from wide to long format