Kursus Bigdata F2017

Problem Week 2

Prepare an R script file for demonstrating an example of customer assessments of a selection of products p1, p2, …. from a company. The products are organized into NP=4 subgroups (notice that R is case sensitive), where each subgroup contains highly related products (products with the "same function").

Assume that
- the product assessments are delivered in a Likert-like scale with 3 levels: "Agree", "Neither Agree or Disagree", "Disagree" as response to the statement "The product is of high quality" and
- the total number of customer assessments observations are NO and
- each customer is characterized by male/female, age, and as living in one of 3 geographical locations and
- each customer is further characterized as belonging to one of 5 age groups to be defined.

Q1. Create a data frame with customer characterization and product assessments from NC=10 customers and NO=14.

Q2. Sort the product quality assessments according to increasing quality.

Q3. Demonstrate how to extend the data frame with one further parameter, to be decided.

Q4. Demonstrate how to combine two data frames into one total frame.

The result of Problem 2 is a Problem2_xxx.R script file where xxx are characters chosen from the persons name. Each participant keeps the script for later submission.

Course material

Chap 2 "Creating a Dataset" and selected parts from Chap 20 "Advanced Programming", [Kabacoff, 2015].

References

1_R_Environment.R R code script.
2_R_Programming.R R code script.

[Kabacoff, 2015] Robert I. Kabacoff, "R in Action", 2'Ed, Manning Publications, 2015.

Handing In the final R script

The final R script is uploaded to campusnet no later by the end Tuesday 14 February 2017.

2017.02.08/jaas