

Statistics with R – Intermediate Level Practice

Note: If you did not do it already, please download the CSV data files and extract them on your hard drive. You can find the download link in the section *Course Materials*.

Section 4 Reliability Analysis

Exercise #1

In the data frame *brandsurvey.csv*, compute the Cronbach alpha for the variables V1-V10 and interpret the result.

Exercise #2

In the data frame *juices.csv*, use the Cohen's kappa to determine whether there is a concordancy between the scores given to the brands B6 and B7.

Exercise #3

In the data frame *math.csv*, use the Kendall's W indicator to determine whether there is a concordancy between the grades given at the beginning and at the end of the semester (*grade1* and *grade2*).

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