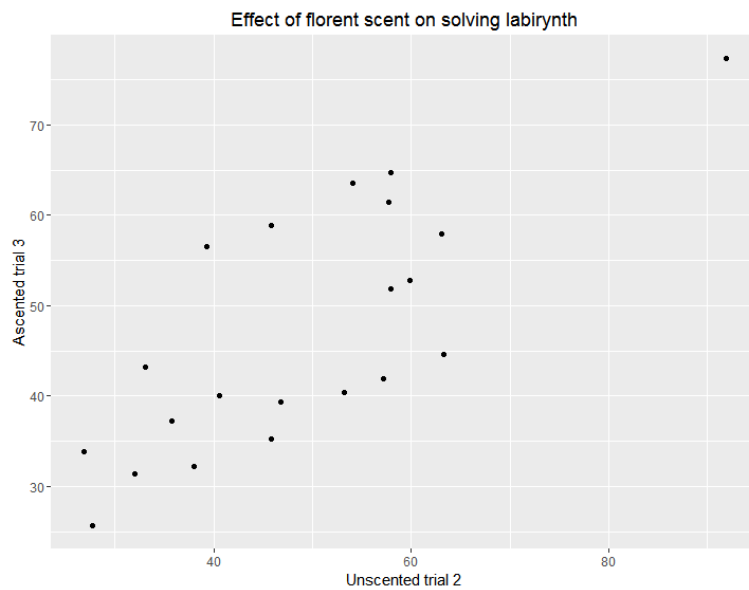U1

Effect of florent scent on solving labirynth

Shape is quite linear. Interpret: reasonable since repeating a trial should lead to similar results
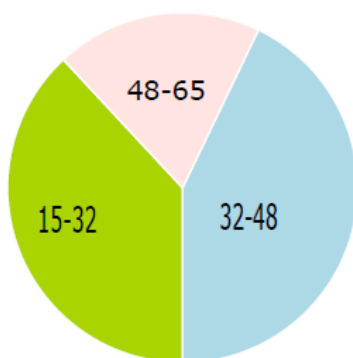
Strength of connection between variables is moderate. Interpret: some other factors affected the quality of experiment

There is a dense area with low Unscented trials 2 and 3 (cluster?) and an area having high values of ascented trials 2 and 3 (cluster?) It seems that the individuals are split into two groups depending on how fast they solve the test.

There is a clear outlier with respect to both variables. Interp: a person that solved both times very slowly.
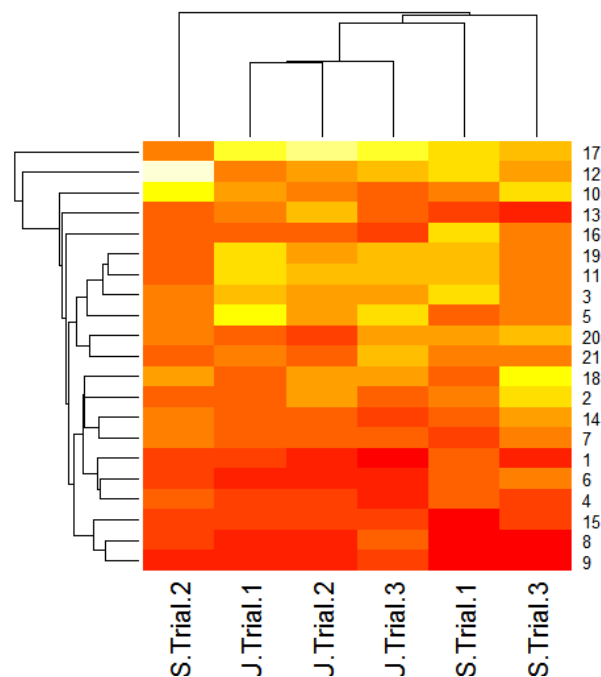
2

Amount of participants
in different age groups

In the original plot it is difficult to see whether the green or the blue slice is larger

3

Students may see different clusters. Motivation is most important. Minimalistic example:

Cluster 1: observations 9,8,15,4,6,1. Variables: S.Trial 2, U.trial 1,2,3. This cluster are persons that have low values of time for unscented tests mostly

Cluster 2: observations 7,14,2,18,21. Moderate values of the unscented variables and high third scented trial

Cluster 3: observations 5,3,11,9,16. Large values of U tests , moderate levels of third scented trial
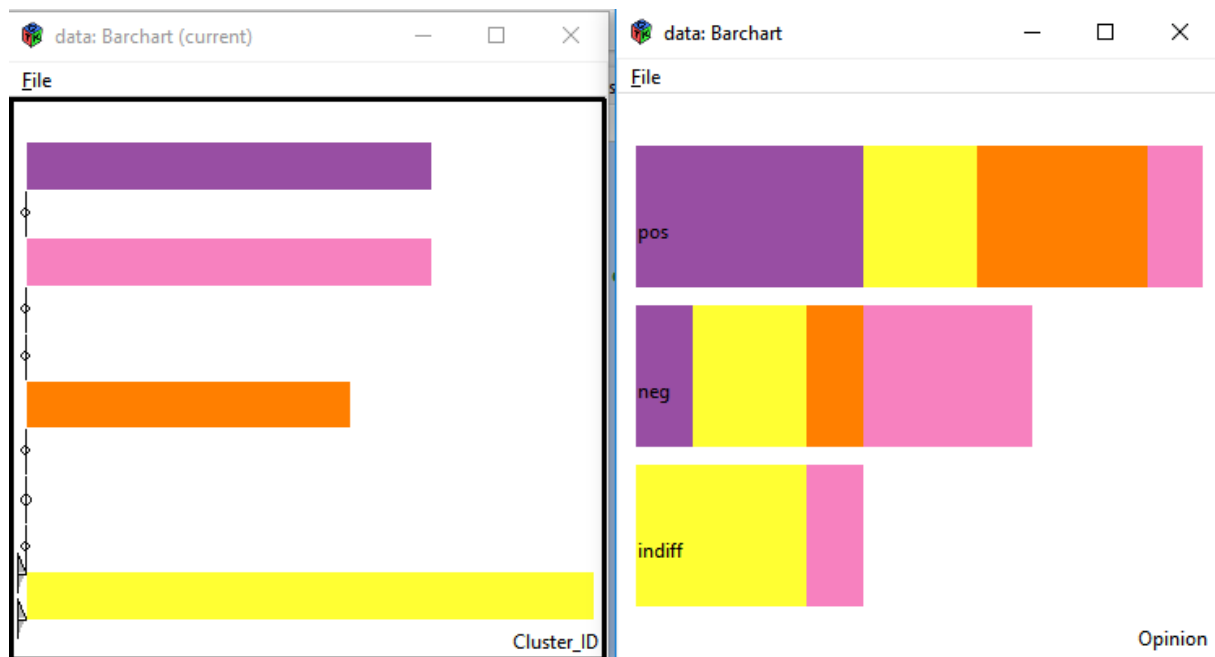
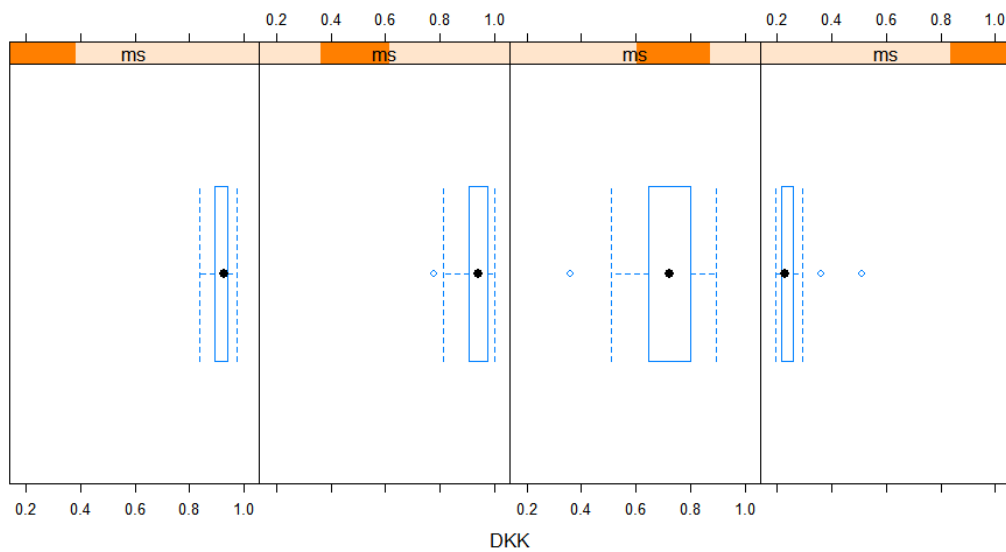Other observations – outliers.

4

No clear connection between clusters and Cluster ID.

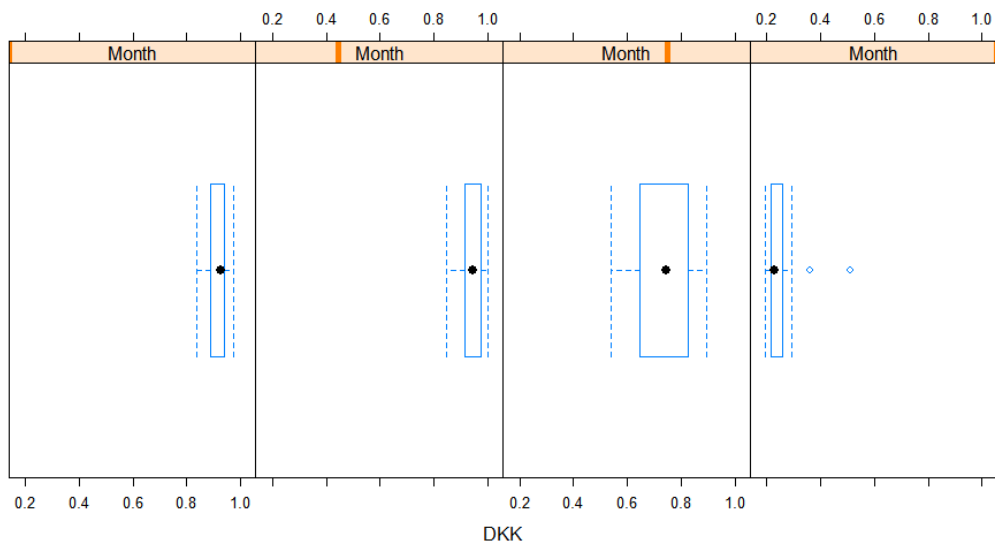Reliability: different answers possible, motivation is important.

Cluster Id 1 and 3 are not in the indiff group. They had effect of smell. Those are the clusters that had extreme values in the timing variables (either large or low).
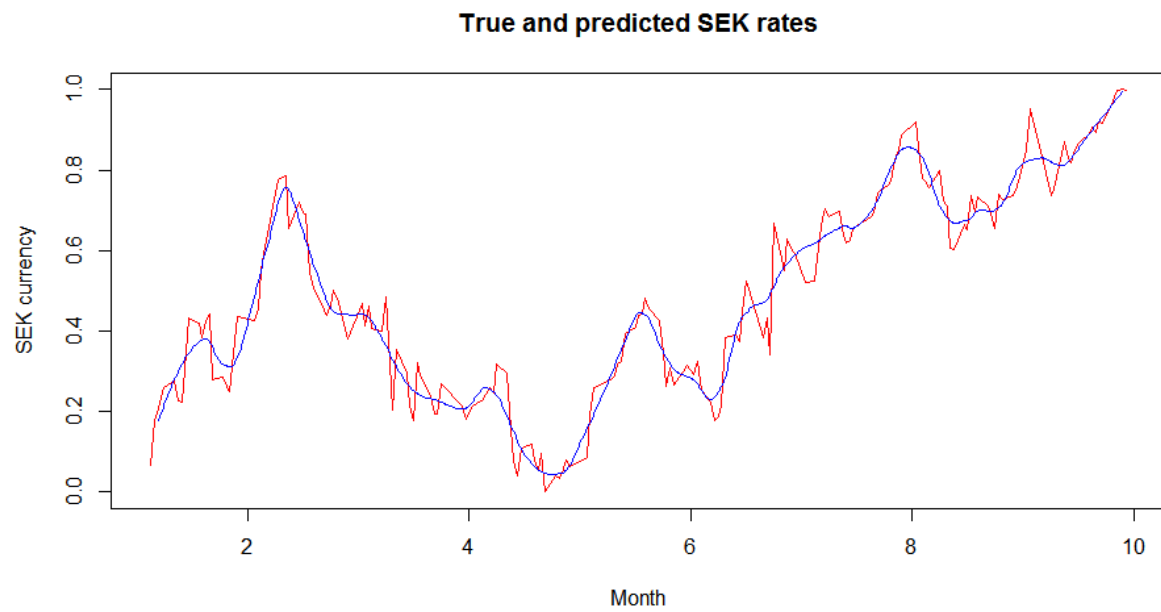
Assignment 2

Minimalistic interpretation: One can see that during the first month the currency rates are pretty high, whether during the second month there are still a lot of high rates but the rates are going down. There is one outlier. During the third month the rates continue go down, and there is one more outlier.

During the fourth month, the rates are lowest, but there are two outliers (high values)

Compared to the previous plot, no outliers are seen in month 2 and 3, they are thus on the boundary of each month. Advantage of shingles – we detected an new outlier which was on the boundary of the regions.

True and predicted SEK rates

Positive: the transitions will be smooth, no quick small changes that hamper the perception.

Disadvantages: some interesting details are hidden, only trend is seen but some smaller variations in trend are smoothed out. Around month 9, a peak is smoothed out.