Questions seminar 07-03-2019

**Group 1: Raymond Sseguya, Martin Smelik**

Question 1:

* How would read a file with large numbers in R or any language?
  + Prefix a character before numbers, read as.character while reading the file.
* Is there any way to operate on large numbers in R?
  + Big number library

Question 2:

* Whats the precision limit of R for large numbers? How to get it?
  + 2,147,483,647 – Integer Max and smallest is 2.220446e-16
  + Comannd is “.Machine”

Question 3:

* Is there a reason why you chose not to use to set a seed?
* Suggestion: add # comments in your code snippet for each step of the code. For this lab, with small/simple examples it is still easy to follow, however if the code becomes longer and more complicated, some comments in the code make it easier for other to read your code.
* Suggestion: In question 3 you decided to solve the exercise by means of a for-loop. Our suggestion for improvement is to use the apply() family. On small datasets, there is hardly a difference in computational speed, however when the datasets become larger, the apply() is much faster.

Question 4:

* Can you explain Kappa test? A higher value or lower value is better?

**Group 2: Jesper Lindberg, Andreas Stasinakis**

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Question 3:

* Comment: When you use the different formula for variance, report the source of this formula.
* Suggestion: In question 3 you decided to solve the exercise by means of a for-loop. Our suggestion for improvement is to use the apply() family. On small datasets, there is hardly a difference in computational speed, however when the datasets become larger, the apply() is much faster.

Question 4:

* Can you explain Kappa test? A higher value or lower value is better?