Can R Notebooks help with reproducibility?

Introduction

======= Reproducibility and replicability has been and ongoing topic among scientists and academics. The importance of the matters has been widely discussed considering the ongoing "reproducibility crisis". ++ The aim of this paper is to define reproducibility and replicability and further discuss if R notebook can help with reproducibility ++

Reproducibility is defined by NSF (U.S national Science Foundation) as "(. . .) The ability of a researcher to duplicate the result of a prior study using the same materials as were used by the original investigator" **(Kilde: file:///Users/Morkken/Downloads/Goodman_Fanelli_2016_Reproducibility.pdf)** . While reproducibility includes secondary researchers using the same material, ***replicability*** refers to collecting new data that leads to the same findings as the orgininal study **(Kilde: https://www.ncbi.nlm.nih.gov/books/NBK547546/)**

```
sessionInfo(package = NULL)
```

```
## R version 4.1.1 (2021-08-10)
## Platform: x86_64-w64-mingw32/x64 (64-bit)
## Running under: Windows 10 x64 (build 19043)
##
## Matrix products: default
##
## locale:
## [1] LC_COLLATE=Norwegian Bokmål_Norway.1252
## [2] LC_CTYPE=Norwegian Bokmål_Norway.1252
## [3] LC_MONETARY=Norwegian Bokmål_Norway.1252
## [4] LC_NUMERIC=C
## [5] LC_TIME=Norwegian Bokmål_Norway.1252
##
## attached base packages:
## [1] stats     graphics  grDevices utils     datasets  methods   base
##
## loaded via a namespace (and not attached):
##  [1] compiler_4.1.1    magrittr_2.0.1    tools_4.1.1       htmltools_0.5.1.1
##  [5] yaml_2.2.1        stringi_1.7.3     rmarkdown_2.10    knitr_1.33
##  [9] stringr_1.4.0     xfun_0.25         digest_0.6.27     rlang_0.4.11
## [13] evaluate_0.14
```

Short literature review

This literature review will undertake a research of reproducibility in relevance to *R and R-studio*. It will further present the relevant sources and the credibility of the sources used. We will be using sources deducted from the shared Zotero library, which have been collected through detailed work by our professor.

Reproducibility in R

Thibiga skriver om dette. heihei

Reproducibility for scientists

Computer code

Discussion

Liste

1. Nummer en
2. Nummer to

- 2.1 to komma en

Conclusion

References