Can R Notebook help with reproducibility?

Introduction

This text will focus on how R Notebook can help with reproducibility. The text is based on reproducibility as a standard for general research being published, as well as reproducibility in the field of economical studies. R Notebook will be discussed as a solution to meet the criteria of reproducibility.

Literature review

both a container for the different elements that make up the document and its computations (i.e. text, code, data, . . .), and as a means for distributing, managing and updating the collection.

sequences of commands in some programming language such as R or Perl. Code chunks are intended to be evaluated according to the language in which they are written. These perform the computations needed to produce the appropriate output within the paper, and also to produce intermediate results used across different code chunks.

Text chunks describe the problem, the code, the results and often their interpretation. Text chunks are intended to be formatted for reading. Gentleman and Lang (2007)

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

```
## R version 4.1.1 (2021-08-10)
## Platform: x86_64-apple-darwin17.0 (64-bit)
## Running under: macOS Big Sur 10.16
##
## Matrix products: default
## BLAS:   /Library/Frameworks/R.framework/Versions/4.1/Resources/lib/libRblas.0.dylib
## LAPACK: /Library/Frameworks/R.framework/Versions/4.1/Resources/lib/libRlapack.dylib
##
## locale:
## [1] en_US.UTF-8/en_US.UTF-8/en_US.UTF-8/C/en_US.UTF-8/en_US.UTF-8
##
## 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
```

Discussion

Conclusion

References
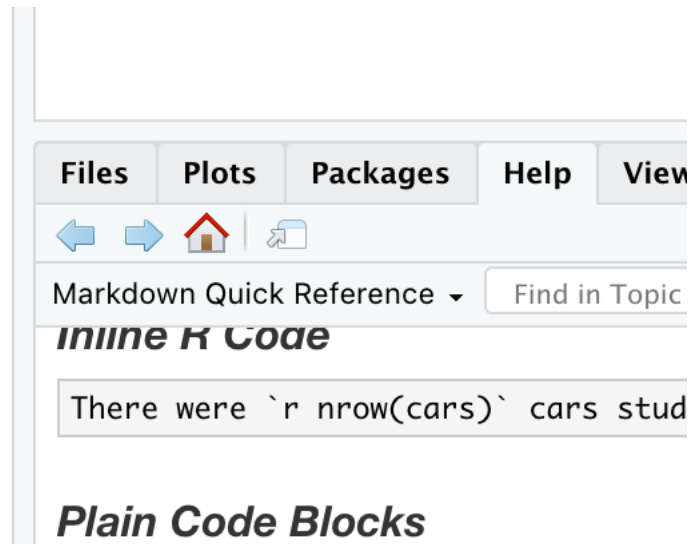
Gentleman, Robert, and Duncan Temple Lang. 2007. "Statistical Analyses and Reproducible Research." *Journal of Computational and Graphical Statistics* 16 (1): 1–23. https://doi.org/10.1198/106186007X178663.