

Session Information

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Obtaining all packages used

Used a handy bash one liner in my main directoy to pull out all the libraries used across all my scripts:

```
find . -type f -name '*.R' | xargs grep -h library > packages.txt
```

Loading in all the packages

```
library(tidyverse)
```

```
## Warning: package 'tidyverse' was built under R version 4.0.3
```

```
## -- Attaching packages -----
```

```
## v ggplot2 3.3.5      v purrr  0.3.4
## v tibble  3.0.3      v dplyr  1.0.2
## v tidyr   1.1.1      v stringr 1.4.0
## v readr   1.3.1      v forcats 0.5.0
```

```
## Warning: package 'ggplot2' was built under R version 4.0.5
```

```
## -- Conflicts -----
```

```
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()     masks stats::lag()
```

```
library(broom)
```

```
## Warning: package 'broom' was built under R version 4.0.5
```

```
library(lme4)
```

```
## Warning: package 'lme4' was built under R version 4.0.5
```

```
## Loading required package: Matrix
```

```
##
```

```
## Attaching package: 'Matrix'
```

```
## The following objects are masked from 'package:tidyr':
```

```
##
```

```
##      expand, pack, unpack
```

```
library(ggpubr)
```

```
## Warning: package 'ggpubr' was built under R version 4.0.5
```

```
library(patchwork)
```

```
library(data.table)
```

```

##
## Attaching package: 'data.table'
## The following objects are masked from 'package:dplyr':
##
##     between, first, last
## The following object is masked from 'package:purrr':
##
##     transpose
library(Hmisc)

## Warning: package 'Hmisc' was built under R version 4.0.3
## Loading required package: lattice
## Loading required package: survival
## Loading required package: Formula
##
## Attaching package: 'Hmisc'
## The following objects are masked from 'package:dplyr':
##
##     src, summarize
## The following objects are masked from 'package:base':
##
##     format.pval, units
library(corrplot)

## Warning: package 'corrplot' was built under R version 4.0.3
## corrplot 0.84 loaded
library(gridExtra)

## Warning: package 'gridExtra' was built under R version 4.0.3
##
## Attaching package: 'gridExtra'
## The following object is masked from 'package:dplyr':
##
##     combine
library(grid)
library(gtable)
library(scales)

##
## Attaching package: 'scales'
## The following object is masked from 'package:purrr':
##
##     discard
## The following object is masked from 'package:readr':
##
##     col_factor

```

```
library(tibble)
library(tidyr)
library(dplyr)
library(readr)
library(rrBLUP)
```

```
## Warning: package 'rrBLUP' was built under R version 4.0.3
```

```
library(MASS)
```

```
## Warning: package 'MASS' was built under R version 4.0.3
```

```
##
```

```
## Attaching package: 'MASS'
```

```
## The following object is masked from 'package:patchwork':
```

```
##
```

```
##     area
```

```
## The following object is masked from 'package:dplyr':
```

```
##
```

```
##     select
```

```
library(doSNOW)
```

```
## Loading required package: foreach
```

```
##
```

```
## Attaching package: 'foreach'
```

```
## The following objects are masked from 'package:purrr':
```

```
##
```

```
##     accumulate, when
```

```
## Loading required package: iterators
```

```
## Loading required package: snow
```

Printing Session Info

```
sessionInfo()
```

```
## R version 4.0.2 (2020-06-22)
```

```
## Platform: x86_64-w64-mingw32/x64 (64-bit)
```

```
## Running under: Windows 10 x64 (build 18363)
```

```
##
```

```
## Matrix products: default
```

```
##
```

```
## locale:
```

```
## [1] LC_COLLATE=English_United States.1252
```

```
## [2] LC_CTYPE=English_United States.1252
```

```
## [3] LC_MONETARY=English_United States.1252
```

```
## [4] LC_NUMERIC=C
```

```
## [5] LC_TIME=English_United States.1252
```

```
##
```

```
## attached base packages:
```

```
## [1] grid      stats      graphics  grDevices  utils      datasets  methods
```

```
## [8] base
```

```
##
```

```

## other attached packages:
## [1] doSNOW_1.0.18      snow_0.4-3          iterators_1.0.12    foreach_1.5.0
## [5] MASS_7.3-53        rrBLUP_4.6.1        scales_1.1.1        gtable_0.3.0
## [9] gridExtra_2.3      corrplot_0.84       Hmisc_4.4-2        Formula_1.2-3
## [13] survival_3.1-12    lattice_0.20-41     data.table_1.13.0   patchwork_1.0.1
## [17] ggpubr_0.4.0       lme4_1.1-27.1       Matrix_1.2-18       broom_0.7.8
## [21] forcats_0.5.0      stringr_1.4.0       dplyr_1.0.2         purrr_0.3.4
## [25] readr_1.3.1        tidyr_1.1.1         tibble_3.0.3        ggplot2_3.3.5
## [29] tidyverse_1.3.0
##
## loaded via a namespace (and not attached):
## [1] nlme_3.1-148        fs_1.5.0             lubridate_1.7.9
## [4] RColorBrewer_1.1-2 httr_1.4.2           tools_4.0.2
## [7] backports_1.1.7     R6_2.4.1             rpart_4.1-15
## [10] DBI_1.1.0           colorspace_1.4-1     nnet_7.3-14
## [13] withr_2.2.0         tidyselect_1.1.0     curl_4.3
## [16] compiler_4.0.2      cli_2.0.2            rvest_0.3.6
## [19] htmlTable_2.1.0     xml2_1.3.2           checkmate_2.0.0
## [22] digest_0.6.27       foreign_0.8-80       minqa_1.2.4
## [25] rmarkdown_2.8       rio_0.5.27           jpeg_0.1-8.1
## [28] base64enc_0.1-3     pkgconfig_2.0.3      htmltools_0.5.1.1
## [31] dbplyr_1.4.4        htmlwidgets_1.5.1    rlang_0.4.11
## [34] readxl_1.3.1        rstudioapi_0.11      generics_0.1.0
## [37] jsonlite_1.7.0      zip_2.1.1            car_3.0-11
## [40] magrittr_1.5        Rcpp_1.0.7           munsell_0.5.0
## [43] fansi_0.4.1         abind_1.4-5          lifecycle_0.2.0
## [46] stringi_1.4.6       yaml_2.2.1           carData_3.0-4
## [49] blob_1.2.1          parallel_4.0.2       crayon_1.3.4
## [52] haven_2.3.1         splines_4.0.2        hms_0.5.3
## [55] knitr_1.29          pillar_1.4.6         boot_1.3-25
## [58] ggsignif_0.6.2      codetools_0.2-16     reprex_0.3.0
## [61] glue_1.4.2          evaluate_0.14        latticeExtra_0.6-29
## [64] modelr_0.1.8        vctrs_0.3.8          png_0.1-7
## [67] nloptr_1.2.2.2      cellranger_1.1.0     assertthat_0.2.1
## [70] xfun_0.23           openxlsx_4.2.3       rstatix_0.7.0
## [73] cluster_2.1.0       ellipsis_0.3.1

```