

# Session Info

Ivan Jacob Agaloos Pesigan

## Session

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sessionInfo()

#> R version 4.3.0 (2023-04-21)
#> Platform: x86_64-pc-linux-gnu (64-bit)
#> Running under: Ubuntu 20.04.5 LTS
#>
#> Matrix products: default
#> BLAS: /usr/lib/x86_64-linux-gnu/atlas/libblas.so.3.10.3
#> LAPACK: /usr/lib/x86_64-linux-gnu/atlas/liblapack.so.3.10.3; LAPACK version 3.9.0
#>
#> locale:
#>  [1] LC_CTYPE=C.UTF-8      LC_NUMERIC=C          LC_TIME=C.UTF-8
#>  [4] LC_COLLATE=C.UTF-8    LC_MONETARY=C.UTF-8   LC_MESSAGES=C.UTF-8
#>  [7] LC_PAPER=C.UTF-8      LC_NAME=C             LC_ADDRESS=C
#> [10] LC_TELEPHONE=C        LC_MEASUREMENT=C.UTF-8 LC_IDENTIFICATION=C
#>
#> time zone: UTC
#> tzcode source: system (glibc)
#>
```

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#> attached base packages:
#> [1] stats      graphics  grDevices utils      datasets  methods   base
#>
#> loaded via a namespace (and not attached):
#> [1] compiler_4.3.0      rprojroot_2.0.3      tools_4.3.0
#> [4] rProject_0.0.0.9000 highr_0.10            knitr_1.42
#> [7] xfun_0.39           evaluate_0.20
```

## Packages

```
unname(installed.packages()[, 1])

#> [1] "askpass"      "assertthat"    "backports"     "base64enc"
#> [5] "betaDelta"    "betaSandwich"  "bit"           "bit64"
#> [9] "blob"         "brew"          "brio"          "broom"
#> [13] "bslib"        "cachem"        "callr"         "cellranger"
#> [17] "cli"          "clipr"         "colorspace"    "commonmark"
#> [21] "conflicted"   "covr"          "cpp11"         "crayon"
#> [25] "credentials"  "curl"          "cyclocomp"     "data.table"
#> [29] "DBI"          "dbplyr"        "desc"          "devtools"
#> [33] "diffobj"      "digest"        "distro"        "downlit"
#> [37] "dplyr"        "dtplyr"        "ellipsis"      "evaluate"
#> [41] "fansi"        "farver"        "fastmap"       "fontawesome"
#> [45] "forcats"      "fs"            "gargle"        "generics"
#> [49] "gert"         "ggplot2"       "gh"            "gitcreds"
#> [53] "glue"         "googledrive"   "googlesheets4" "gtable"
#> [57] "haven"        "highr"         "hms"           "htmltools"
#> [61] "htmlwidgets" "httpuv"        "httr"          "httr2"
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#> [65] "ids"          "ini"          "isoband"      "jquerylib"
#> [69] "jsonlite"     "knitr"        "labeling"     "later"
#> [73] "lavaan"       "lazyeval"     "lifecycle"    "lintr"
#> [77] "lubridate"    "magick"       "magrittr"     "manBetaCIWald"
#> [81] "memoise"      "microbenchmark" "mime"         "miniUI"
#> [85] "mnormt"       "modelr"       "munsell"      "numDeriv"
#> [89] "openssl"      "parsedate"    "pbivnorm"     "pdftools"
#> [93] "pillar"       "pkgbuild"     "pkgconfig"    "pkgdown"
#> [97] "pkgload"      "praise"       "prettyunits"  "processx"
#> [101] "profvis"      "progress"     "promises"     "ps"
#> [105] "purrr"        "qpdf"         "quadprog"     "R.cache"
#> [109] "R.methodsS3"  "R.oo"         "R.utils"      "R6"
#> [113] "ragg"         "rappdirs"     "rcmdcheck"    "RColorBrewer"
#> [117] "Rcpp"         "readr"        "readxl"       "rematch"
#> [121] "rematch2"     "remotes"      "reprex"       "rex"
#> [125] "rhub"         "rlang"        "rmarkdown"    "roxygen2"
#> [129] "rProject"     "rprojroot"    "rstudioapi"   "rversions"
#> [133] "rvest"        "sass"         "scales"       "selectr"
#> [137] "sessioninfo"  "shiny"        "sourcetools"  "stringi"
#> [141] "stringr"      "styler"       "sys"          "systemfonts"
#> [145] "testthat"     "textshaping"  "tibble"       "tidyr"
#> [149] "tidyselect"   "tidyverse"    "timechange"    "tinytex"
#> [153] "tzdb"         "urlchecker"   "usethis"      "utf8"
#> [157] "uuid"         "vctrs"        "viridisLite"  "vroom"
#> [161] "waldo"        "whisker"      "whoami"       "withr"
#> [165] "xfun"         "xml2"         "xmlparsedata" "xopen"
#> [169] "xtable"       "yaml"         "zip"          "base"

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#> [173] "boot"          "class"          "cluster"         "codetools"
#> [177] "compiler"      "datasets"       "foreign"         "graphics"
#> [181] "grDevices"     "grid"           "KernSmooth"     "lattice"
#> [185] "MASS"          "Matrix"         "methods"         "mgcv"
#> [189] "nlme"          "nnet"           "parallel"        "rpart"
#> [193] "spatial"       "splines"        "stats"           "stats4"
#> [197] "survival"      "tcltk"          "tools"           "utils"
```

## References

R Core Team. (2023). *R: A language and environment for statistical computing*. R Foundation for Statistical Computing. Vienna, Austria. <https://www.R-project.org/>