

Self-Assessment Works! Paper (R Citations)

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1 Purpose.

This file just produces a list of R and R package citations so that we can give appropriate credit to the many people who developed or contributed to the software we relied on in doing this work. It's a separate file so that we can reduce redundancy across other PDF files produced by the various scripts.

Version numbers in citations will be consistent with those used in other scripts if you knit this document from the same computer used for knitting those other scripts. Do that immediately after knitting all the other scripts.

2 Setup

Set global R chunk options (local chunk options will over-ride global options). The method for creating a size option that controls font size in code chunks and their text output is based on an answer to a question posted on stackoverflow.com.

```
# Create a custom chunk hook/option for controlling font size in chunk & output.
def.chunk.hook <- knitr::knit_hooks$get("chunk")
knitr::knit_hooks$set(chunk = function(x, options) {
  x <- def.chunk.hook(x, options)
  ifelse(options$cfsize != "normalsize", paste0("\n \\", options$cfsize, "\n\n",
                                               x, "\n\n \\\normalsize"), x)
})

# Global chunk options (over-ridden by local chunk options)
knitr::opts_chunk$set(include = TRUE, echo = TRUE, error = TRUE,
                      message = TRUE, warning = TRUE, cfsize = "footnotesize")

# Declare location of this script relative to the project root directory.
here::i_am(path = "inst/R_Citations.Rmd")
```

```
## here() starts at P:/Consulting/FY18/Winke_Paula/18-009/SAWpaper
```

Load R packages that we need to get additional functions.

```
library(here)           # for here()
library(rmarkdown)     # for render()
library(piercer)       # for git_report(), which_latex()
library(SAWpaper)      # For version information.
```

3 Software Information

We use R Markdown to enhance reproducibility. Knitting the source R Markdown script *R_Citations.Rmd* generates this PDF file.

- We used [RStudio](#) to work with R and R markdown files.
- Our software chain looks like this: **Rmd file** > **RStudio** > **R** > **rmarkdown** > **knitr** > **md file** > **pandoc** > **tex file** > **TinyTeX** > **PDF file**.
- Source script: *R_Citations.Rmd*
- We recommend using [TinyTeX](#) to compile LaTeX files into PDF files. However, it should be viable to use [MiKTeX](#) instead.
- We used [pandoc](#) 2.17.1.1 for this document.

This document was generated using the following computational environment and dependencies:

```
# Check and report whether we used TinyTeX or other LaTeX software.
which_latex()
```

```
## [1] "is_tinytex = TRUE. We used TinyTeX."
```

```
# Get R citation.
citation()
```

```
##
## To cite R in publications use:
##
## R Core Team (2022). R: A language and environment for statistical
## computing. R Foundation for Statistical Computing, Vienna, Austria.
## URL https://www.R-project.org/.
##
## A BibTeX entry for LaTeX users is
##
## @Manual{,
##   title = {R: A Language and Environment for Statistical Computing},
##   author = {{R Core Team}},
##   organization = {R Foundation for Statistical Computing},
##   address = {Vienna, Austria},
##   year = {2022},
##   url = {https://www.R-project.org/},
## }
##
## We have invested a lot of time and effort in creating R, please cite it
## when using it for data analysis. See also 'citation("pkgname")' for
## citing R packages.
```

```
# Get package citations.
```

```
citation("broom")
```

```
##
## To cite package 'broom' in publications use:
##
```

```
## David Robinson, Alex Hayes and Simon Couch (2022). broom: Convert
## Statistical Objects into Tidy Tibbles. R package version 0.7.12.
## https://CRAN.R-project.org/package=broom
##
## A BibTeX entry for LaTeX users is
##
## @Manual{
##   title = {broom: Convert Statistical Objects into Tidy Tibbles},
##   author = {David Robinson and Alex Hayes and Simon Couch},
##   year = {2022},
##   note = {R package version 0.7.12},
##   url = {https://CRAN.R-project.org/package=broom},
## }
```

```
citation("car")
```

```
##
## To cite the car package in publications use:
##
## John Fox and Sanford Weisberg (2019). An {R} Companion to Applied
## Regression, Third Edition. Thousand Oaks CA: Sage. URL:
## https://socialsciences.mcmaster.ca/jfox/Books/Companion/
##
## A BibTeX entry for LaTeX users is
##
## @Book{
##   title = {An {R} Companion to Applied Regression},
##   edition = {Third},
##   author = {John Fox and Sanford Weisberg},
##   year = {2019},
##   publisher = {Sage},
##   address = {Thousand Oaks {CA}},
##   url = {https://socialsciences.mcmaster.ca/jfox/Books/Companion/},
## }
```

```
citation("devtools")
```

```
##
## To cite package 'devtools' in publications use:
##
## Hadley Wickham, Jim Hester, Winston Chang and Jennifer Bryan (2021).
## devtools: Tools to Make Developing R Packages Easier. R package
## version 2.4.3. https://CRAN.R-project.org/package=devtools
##
## A BibTeX entry for LaTeX users is
##
## @Manual{
##   title = {devtools: Tools to Make Developing R Packages Easier},
##   author = {Hadley Wickham and Jim Hester and Winston Chang and Jennifer Bryan},
##   year = {2021},
##   note = {R package version 2.4.3},
##   url = {https://CRAN.R-project.org/package=devtools},
## }
```

```
citation("directlabels")
```

```
##
## To cite package 'directlabels' in publications use:
##
## Toby Dylan Hocking (2021). directlabels: Direct Labels for Multicolor
## Plots. R package version 2021.1.13.
## https://CRAN.R-project.org/package=directlabels
##
## A BibTeX entry for LaTeX users is
##
## @Manual{
##   title = {directlabels: Direct Labels for Multicolor Plots},
##   author = {Toby Dylan Hocking},
```

```
##   year = {2021},
##   note = {R package version 2021.1.13},
##   url  = {https://CRAN.R-project.org/package=directlabels},
## }
##
## ATTENTION: This citation information has been auto-generated from the
## package DESCRIPTION file and may need manual editing, see
## 'help("citation")'.
```

```
citation("dplyr")
```

```
##
## To cite package 'dplyr' in publications use:
##
## Hadley Wickham, Romain François, Lionel Henry and Kirill Müller
## (2022). dplyr: A Grammar of Data Manipulation. R package version
## 1.0.8. https://CRAN.R-project.org/package=dplyr
##
## A BibTeX entry for LaTeX users is
##
## @Manual{,
##   title = {dplyr: A Grammar of Data Manipulation},
##   author = {Hadley Wickham and Romain François and Lionel Henry and Kirill Müller},
##   year = {2022},
##   note = {R package version 1.0.8},
##   url = {https://CRAN.R-project.org/package=dplyr},
## }
```

```
citation("ggplot2")
```

```
##
## To cite ggplot2 in publications, please use:
##
## H. Wickham. ggplot2: Elegant Graphics for Data Analysis.
## Springer-Verlag New York, 2016.
##
## A BibTeX entry for LaTeX users is
##
## @Book{,
##   author = {Hadley Wickham},
##   title = {ggplot2: Elegant Graphics for Data Analysis},
##   publisher = {Springer-Verlag New York},
##   year = {2016},
##   isbn = {978-3-319-24277-4},
##   url = {https://ggplot2.tidyverse.org},
## }
```

```
citation("haven")
```

```
##
## To cite package 'haven' in publications use:
##
## Hadley Wickham and Evan Miller (2021). haven: Import and Export
## 'SPSS', 'Stata' and 'SAS' Files. R package version 2.4.3.
## https://CRAN.R-project.org/package=haven
##
## A BibTeX entry for LaTeX users is
##
## @Manual{,
##   title = {haven: Import and Export 'SPSS', 'Stata' and 'SAS' Files},
##   author = {Hadley Wickham and Evan Miller},
##   year = {2021},
##   note = {R package version 2.4.3},
##   url = {https://CRAN.R-project.org/package=haven},
## }
```

```
citation("here")
```

```
##  
## To cite package 'here' in publications use:  
##  
## Kirill Müller (2020). here: A Simpler Way to Find Your Files. R  
## package version 1.0.1. https://CRAN.R-project.org/package=here  
##  
## A BibTeX entry for LaTeX users is  
##  
## @Manual{,  
## title = {here: A Simpler Way to Find Your Files},  
## author = {Kirill Müller},  
## year = {2020},  
## note = {R package version 1.0.1},  
## url = {https://CRAN.R-project.org/package=here},  
## }
```

```
citation("Hmisc")
```

```
##  
## To cite package 'Hmisc' in publications use:  
##  
## Frank E Harrell Jr (2021). Hmisc: Harrell Miscellaneous. R package  
## version 4.6-0. https://CRAN.R-project.org/package=Hmisc  
##  
## A BibTeX entry for LaTeX users is  
##  
## @Manual{,  
## title = {Hmisc: Harrell Miscellaneous},  
## author = {Frank E {Harrell Jr}},  
## year = {2021},  
## note = {R package version 4.6-0},  
## url = {https://CRAN.R-project.org/package=Hmisc},  
## }
```

```
citation("kableExtra")
```

```
##  
## To cite package 'kableExtra' in publications use:  
##  
## Hao Zhu (2021). kableExtra: Construct Complex Table with 'kable' and  
## Pipe Syntax. R package version 1.3.4.  
## https://CRAN.R-project.org/package=kableExtra  
##  
## A BibTeX entry for LaTeX users is  
##  
## @Manual{,  
## title = {kableExtra: Construct Complex Table with 'kable' and Pipe Syntax},  
## author = {Hao Zhu},  
## year = {2021},  
## note = {R package version 1.3.4},  
## url = {https://CRAN.R-project.org/package=kableExtra},  
## }
```

```
citation("knitr")
```

```
##  
## To cite the 'knitr' package in publications use:  
##  
## Yihui Xie (2022). knitr: A General-Purpose Package for Dynamic Report  
## Generation in R. R package version 1.38.  
##  
## Yihui Xie (2015) Dynamic Documents with R and knitr. 2nd edition.  
## Chapman and Hall/CRC. ISBN 978-1498716963  
##  
## Yihui Xie (2014) knitr: A Comprehensive Tool for Reproducible
```

```
## Research in R. In Victoria Stodden, Friedrich Leisch and Roger D.
## Peng, editors, Implementing Reproducible Computational Research.
## Chapman and Hall/CRC. ISBN 978-1466561595
##
## To see these entries in BibTeX format, use 'print(<citation>,
## bibtex=TRUE)', 'toBibtex(.)', or set
## 'options(citation.bibtex.max=999)'.
```

```
citation("lattice")
```

```
##
## To cite the lattice package in publications use:
##
## Sarkar, Deepayan (2008) Lattice: Multivariate Data Visualization with
## R. Springer, New York. ISBN 978-0-387-75968-5
##
## A BibTeX entry for LaTeX users is
##
## @Book{,
##   title = {Lattice: Multivariate Data Visualization with R},
##   author = {Deepayan Sarkar},
##   publisher = {Springer},
##   address = {New York},
##   year = {2008},
##   note = {ISBN 978-0-387-75968-5},
##   url = {http://lmdvr.r-forge.r-project.org},
## }
```

```
citation("modEvA")
```

```
##
## To cite modEvA in publications use:
##
## Barbosa, A.M., Real, R., Munoz, A.R. & Brown, J.A. (2013). New
## measures for assessing model equilibrium and prediction mismatch in
## species distribution models. Diversity and Distributions, 19(10),
## 1333-1338. URL
## https://onlinelibrary.wiley.com/doi/full/10.1111/ddi.12100.
##
## A BibTeX entry for LaTeX users is
##
## @Article{,
##   title = {New measures for assessing model equilibrium and prediction mismatch in species distribution models},
##   author = {A. Marcia Barbosa and Raimundo Real and A. Roman Munoz and Jennifer A. Brown},
##   journal = {Diversity and Distributions},
##   year = {2013},
##   volume = {19},
##   number = {10},
##   pages = {1333--1338},
##   url = {https://onlinelibrary.wiley.com/doi/full/10.1111/ddi.12100},
## }
```

```
citation("multcomp")
```

```
##
## Please cite the multcomp package by the following reference:
##
## Torsten Hothorn, Frank Bretz and Peter Westfall (2008). Simultaneous
## Inference in General Parametric Models. Biometrical Journal 50(3),
## 346--363.
##
## A BibTeX entry for LaTeX users is
##
## @Article{,
##   title = {Simultaneous Inference in General Parametric Models},
##   author = {Torsten Hothorn and Frank Bretz and Peter Westfall},
##   journal = {Biometrical Journal},
##   year = {2008},
```

```
##   volume = {50},  
##   number = {3},  
##   pages = {346--363},  
## }
```

```
citation("piercer")
```

```
##  
## To cite package 'piercer' in publications use:  
##  
## Steven J. Pierce (2022). piercer: Functions for Research and  
## Statistical Computing. R package version 0.11.0.  
## https://github.com/sjpierce/piercer  
##  
## A BibTeX entry for LaTeX users is  
##  
## @Manual{,  
##   title = {piercer: Functions for Research and Statistical Computing},  
##   author = {Steven J. Pierce},  
##   year = {2022},  
##   note = {R package version 0.11.0},  
##   url = {https://github.com/sjpierce/piercer},  
## }
```

```
citation("polycor")
```

```
##  
## To cite package 'polycor' in publications use:  
##  
## John Fox (2022). polycor: Polychoric and Polyserial Correlations. R  
## package version 0.8-1. https://CRAN.R-project.org/package=polycor  
##  
## A BibTeX entry for LaTeX users is  
##  
## @Manual{,  
##   title = {polycor: Polychoric and Polyserial Correlations},  
##   author = {John Fox},  
##   year = {2022},  
##   note = {R package version 0.8-1},  
##   url = {https://CRAN.R-project.org/package=polycor},  
## }
```

```
citation("pROC")
```

```
##  
## If you use pROC in published research, please cite the following paper:  
##  
## Xavier Robin, Natacha Turck, Alexandre Hainard, Natalia Tiberti,  
## Frédérique Lisacek, Jean-Charles Sanchez and Markus Müller (2011).  
## pROC: an open-source package for R and S+ to analyze and compare ROC  
## curves. BMC Bioinformatics, 12, p. 77. DOI: 10.1186/1471-2105-12-77  
## <http://www.biomedcentral.com/1471-2105/12/77/>  
##  
## A BibTeX entry for LaTeX users is  
##  
## @Article{,  
##   title = {pROC: an open-source package for R and S+ to analyze and compare ROC curves},  
##   author = {Xavier Robin and Natacha Turck and Alexandre Hainard and Natalia Tiberti and Frédérique Lisacek and Jean-Charles Sanchez and Markus Müller},  
##   year = {2011},  
##   journal = {BMC Bioinformatics},  
##   volume = {12},  
##   pages = {77},  
## }
```

```
citation("rmarkdown")
```

```
##
## To cite the 'rmarkdown' package in publications, please use:
##
## JJ Allaire and Yihui Xie and Jonathan McPherson and Javier Luraschi
## and Kevin Ushey and Aron Atkins and Hadley Wickham and Joe Cheng and
## Winston Chang and Richard Iannone (2022). rmarkdown: Dynamic
## Documents for R. R package version 2.13. URL
## https://rmarkdown.rstudio.com.
##
## Yihui Xie and J.J. Allaire and Garrett Golemund (2018). R Markdown:
## The Definitive Guide. Chapman and Hall/CRC. ISBN 9781138359338. URL
## https://bookdown.org/yihui/rmarkdown.
##
## Yihui Xie and Christophe Dervieux and Emily Riederer (2020). R
## Markdown Cookbook. Chapman and Hall/CRC. ISBN 9780367563837. URL
## https://bookdown.org/yihui/rmarkdown-cookbook.
##
## To see these entries in BibTeX format, use 'print(<citation>,
## bibtex=TRUE)', 'toBibtex(.)', or set
## 'options(citation.bibtex.max=999)'.
```

```
citation("sjlabelled")
```

```
##
## Lüdecke D (2021). _sjlabelled: Labelled Data Utility Functions (Version
## 1.1.8)_. doi: 10.5281/zenodo.1249215 (URL:
## https://doi.org/10.5281/zenodo.1249215), <URL:
## https://CRAN.R-project.org/package=sjlabelled>.
##
## A BibTeX entry for LaTeX users is
##
## @Manual{,
##   title = {sjlabelled: Labelled Data Utility Functions (Version 1.1.8)},
##   author = {Daniel Lüdecke},
##   year = {2021},
##   url = {https://CRAN.R-project.org/package=sjlabelled},
##   doi = {10.5281/zenodo.1249215},
## }
```

```
citation("stringr")
```

```
##
## To cite package 'stringr' in publications use:
##
## Hadley Wickham (2019). stringr: Simple, Consistent Wrappers for
## Common String Operations. R package version 1.4.0.
## https://CRAN.R-project.org/package=stringr
##
## A BibTeX entry for LaTeX users is
##
## @Manual{,
##   title = {stringr: Simple, Consistent Wrappers for Common String Operations},
##   author = {Hadley Wickham},
##   year = {2019},
##   note = {R package version 1.4.0},
##   url = {https://CRAN.R-project.org/package=stringr},
## }
```

```
citation("SAWpaper")
```

```
##
## To cite package 'SAWpaper' in publications use:
##
## Steven J. Pierce and Xiaowan Zhang (2022). SAWpaper: Self-Assessment
## Works Paper Research Compendium. R package version 1.0.0.
## https://github.com/sjpierce/SAWpaper
##
## A BibTeX entry for LaTeX users is
```

```
##
## @Manual{,
##   title = {SAWpaper: Self-Assessment Works Paper Research Compendium},
##   author = {Steven J. Pierce and Xiaowan Zhang},
##   year = {2022},
##   note = {R package version 1.0.0},
##   url = {https://github.com/sjpierce/SAWpaper},
## }

```

```
citation("texreg")
```

```
##
## To cite texreg in publications use:
##
## Leifeld, Philip (2013). texreg: Conversion of Statistical Model
## Output in R to LaTeX and HTML Tables. Journal of Statistical
## Software, 55(8), 1-24. URL http://dx.doi.org/10.18637/jss.v055.i08.
##
## A BibTeX entry for LaTeX users is
##
## @Article{,
##   title = {{texreg}: Conversion of Statistical Model Output in {R} to {\LaTeX} and {\HTML} Tables},
##   author = {Philip Leifeld},
##   journal = {Journal of Statistical Software},
##   year = {2013},
##   volume = {55},
##   number = {8},
##   pages = {1--24},
##   url = {http://dx.doi.org/10.18637/jss.v055.i08},
## }

```

```
citation("tidyr")
```

```
##
## To cite package 'tidyr' in publications use:
##
## Hadley Wickham and Maximilian Girlich (2022). tidyr: Tidy Messy Data.
## R package version 1.2.0. https://CRAN.R-project.org/package=tidyr
##
## A BibTeX entry for LaTeX users is
##
## @Manual{,
##   title = {tidyr: Tidy Messy Data},
##   author = {Hadley Wickham and Maximilian Girlich},
##   year = {2022},
##   note = {R package version 1.2.0},
##   url = {https://CRAN.R-project.org/package=tidyr},
## }

```

```
citation("tinytex")
```

```
##
## To cite the 'tinytex' package in publications use:
##
## Yihui Xie (2022). tinytex: Helper Functions to Install and Maintain
## TeX Live, and Compile LaTeX Documents. R package version 0.37.
##
## Yihui Xie (2019) TinyTeX: A lightweight, cross-platform, and
## easy-to-maintain LaTeX distribution based on TeX Live. TUGboat 40
## (1): 30--32. https://tug.org/TUGboat/Contents/contents40-1.html
##
## To see these entries in BibTeX format, use 'print(<citation>,
## bibtex=TRUE)', 'toBibtex(.)', or set
## 'options(citation.bibtex.max=999)'.

```

```
citation("visreg")
```

```
##
## To cite visreg in publications use:
##
## Breheny P and Burchett W (2017). Visualization of Regression Models
## Using visreg. The R Journal, 9: 56-71.
##
## A BibTeX entry for LaTeX users is
##
## @Article{,
##   author = {Patrick Breheny and Woodrow Burchett},
##   title = {Visualization of Regression Models Using visreg},
##   journal = {The R Journal},
##   year = {2017},
##   volume = {9},
##   pages = {56--71},
##   number = {2},
## }
```

```
citation("xfun")
```

```
##
## To cite package 'xfun' in publications use:
##
## Yihui Xie (2022). xfun: Supporting Functions for Packages Maintained
## by 'Yihui Xie'. R package version 0.30.
## https://CRAN.R-project.org/package=xfun
##
## A BibTeX entry for LaTeX users is
##
## @Manual{,
##   title = {xfun: Supporting Functions for Packages Maintained by 'Yihui Xie'},
##   author = {Yihui Xie},
##   year = {2022},
##   note = {R package version 0.30},
##   url = {https://CRAN.R-project.org/package=xfun},
## }
```

The current Git commit details and status are:

```
git_report()
```

```
## Local:   master P:/Consulting/FY18/Winke_Paula/18-009/SAWpaper
## Remote:  master @ origin (https://github.com/sjpierce/SAWpaper.git)
## Head:    [a44d7ef] 2022-03-27: Updated version number.
##
```

```
## Unstaged changes:
## Modified: NEWS.md
## Modified: inst/SAW_Paper_Analyze_Data_Published.pdf
## Modified: inst/SAW_Paper_Import_Explore_Data_Published.pdf
```