Criminal History Records Paper (R Citations)

Steven J. Pierce

Contents

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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 S:/14-286/Analyses/SSACHR
```

Load R packages that we need to get additional functions.

```
library(here)            # for here()
library(rmarkdown)       # for render()
library(SSACHR)          # for git_report(), which_latex()
```

3 Project Information

These materials are scholarly products based on research funded by the following grant.

Campbell, R., Pierce, S. J., & Sharma, D. (2015–2018). *Serial sexual assaults: A longitudinal examination of offending patterns using DNA evidence.* (NIJ Award # 2014-NE-BX-0006) [Grant]. National Institute of Justice.

4 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. The software chain looks like this: **Rmd file > RStudio > R > rmarkdown > knitr > md file > pandoc > tex file > TinyTeX > PDF file**.
- We recommend using TinyTeX to compile LaTeX files into PDF files. However, it should be viable to use MiKTeX or another LaTeX distribution instead.
- We used pandoc 2.14.0.3 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 (2021). 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 = {2021},
##     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("assertthat")
```

```
##
## To cite package 'assertthat' in publications use:
##
##   Hadley Wickham (2019). assertthat: Easy Pre and Post Assertions. R
##   package version 0.2.1. https://CRAN.R-project.org/package=assertthat
##
## A BibTeX entry for LaTeX users is
##
##   @Manual{,
##     title = {assertthat: Easy Pre and Post Assertions},
##     author = {Hadley Wickham},
##     year = {2019},
##     note = {R package version 0.2.1},
##     url = {https://CRAN.R-project.org/package=assertthat},
##   }
```

```
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("descr")
```

```
##
## To cite package 'descr' in publications use:
##
##   Jakson Aquino. Includes R source code and/or documentation written by
##   Dirk Enzmann, Marc Schwartz, Nitin Jain and Stefan Kraft (2021).
##   descr: Descriptive Statistics. R package version 1.1.5.
##   https://CRAN.R-project.org/package=descr
##
## A BibTeX entry for LaTeX users is
##
##   @Manual{,
##     title = {descr: Descriptive Statistics},
##     author = {Jakson Aquino. Includes R source code and/or documentation written by Dirk Enzmann and Marc Schwartz and Nitin Jain and
##     year = {2021},
##     note = {R package version 1.1.5},
##     url = {https://CRAN.R-project.org/package=descr},
##   }
##
## ATTENTION: This citation information has been auto-generated from the
## package DESCRIPTION file and may need manual editing, see
## 'help("citation")'.
```

```
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("dplyr")
```

```
##
## To cite package 'dplyr' in publications use:
##
##   Hadley Wickham, Romain François, Lionel Henry and Kirill Müller
##   (2021). dplyr: A Grammar of Data Manipulation. R package version
##   1.0.7. 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 = {2021},
##     note = {R package version 1.0.7},
##     url = {https://CRAN.R-project.org/package=dplyr},
##   }
```

```
citation("emmeans")
```

```
##
## To cite package 'emmeans' in publications use:
##
##   Russell V. Lenth (2022). emmeans: Estimated Marginal Means, aka
##   Least-Squares Means. R package version 1.7.2.
##   https://CRAN.R-project.org/package=emmeans
##
## A BibTeX entry for LaTeX users is
##
##   @Manual{,
##     title = {emmeans: Estimated Marginal Means, aka Least-Squares Means},
##     author = {Russell V. Lenth},
##     year = {2022},
##     note = {R package version 1.7.2},
##     url = {https://CRAN.R-project.org/package=emmeans},
##   }
```

```
citation("geepack")
```

```
##
## To cite geepack in publications use:
##
##   Højsgaard, S., Halekoh, U. & Yan J. (2006) The R Package geepack for
##   Generalized Estimating Equations Journal of Statistical Software, 15,
##   2, pp1--11
##
##   Yan, J. & Fine, J.P. (2004) Estimating Equations for Association
##   Structures Statistics in Medicine, 23, pp859--880.
##
##   Yan, J (2002) geepack: Yet Another Package for Generalized Estimating
##   Equations R-News, 2/3, pp12-14.
##
## To see these entries in BibTeX format, use 'print(<citation>,
## bibtex=TRUE)', 'toBibtex(.)', or set
## 'options(citation.bibtex.max=999)'.
```

```
citation("git2r")
```

```
##
## See AUTHORS file for a list of all authors. To cite git2r in
## publications, please use:
##
##   Widgren, S., et al. (2020) git2r: Provides Access to Git
##   Repositories. R package version 0.27.1. URL
##   https://CRAN.R-project.org/package=git2r.
##
## A BibTeX entry for LaTeX users is
##
##   @Manual{,
##     author = {Stefan Widgren and others},
##     title = {{git2r}: Provides Access to Git Repositories},
##     year = {2020},
##     note = {R package version 0.27.1},
##     url = {https://CRAN.R-project.org/package=git2r},
##   }
```

```
citation("ggdist")
```

```
##
## Kay M (2021). _ggdist: Visualizations of Distributions and
## Uncertainty_. doi: 10.5281/zenodo.3879620 (URL:
## https://doi.org/10.5281/zenodo.3879620), R package version 3.0.1, <URL:
## https://mjskay.github.io/ggdist/>.
##
## A BibTeX entry for LaTeX users is
##
##   @Manual{,
##     title = {{ggdist}: Visualizations of Distributions and Uncertainty},
##     author = {Matthew Kay},
##     year = {2021},
##     note = {R package version 3.0.1},
##     url = {https://mjskay.github.io/ggdist/},
##     doi = {10.5281/zenodo.3879620},
##   }
```

```
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("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 (2021). knitr: A General-Purpose Package for Dynamic Report
##   Generation in R. R package version 1.37.
##
##   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("latticeExtra")
```

```
##
## To cite package 'latticeExtra' in publications use:
##
##   Deepayan Sarkar and Felix Andrews (2019). latticeExtra: Extra
##   Graphical Utilities Based on Lattice. R package version 0.6-29.
##   https://CRAN.R-project.org/package=latticeExtra
##
## A BibTeX entry for LaTeX users is
##
##   @Manual{,
##     title = {latticeExtra: Extra Graphical Utilities Based on Lattice},
##     author = {Deepayan Sarkar and Felix Andrews},
##     year = {2019},
##     note = {R package version 0.6-29},
##     url = {https://CRAN.R-project.org/package=latticeExtra},
##   }
##
## ATTENTION: This citation information has been auto-generated from the
## package DESCRIPTION file and may need manual editing, see
## 'help("citation")'.
```

```
citation("lubridate")
```

```
##
## To cite lubridate in publications use:
##
##   Garrett Grolemund, Hadley Wickham (2011). Dates and Times Made Easy
##   with lubridate. Journal of Statistical Software, 40(3), 1-25. URL
##   https://www.jstatsoft.org/v40/i03/.
##
## A BibTeX entry for LaTeX users is
##
##   @Article{,
##     title = {Dates and Times Made Easy with {lubridate}},
##     author = {Garrett Grolemund and Hadley Wickham},
##     journal = {Journal of Statistical Software},
##     year = {2011},
##     volume = {40},
##     number = {3},
##     pages = {1--25},
##     url = {https://www.jstatsoft.org/v40/i03/},
##   }
```

```
citation("plyr")
```

```
##
## To cite plyr in publications use:
##
##   Hadley Wickham (2011). The Split-Apply-Combine Strategy for Data
##   Analysis. Journal of Statistical Software, 40(1), 1-29. URL
##   http://www.jstatsoft.org/v40/i01/.
##
## A BibTeX entry for LaTeX users is
##
##   @Article{,
##     title = {The Split-Apply-Combine Strategy for Data Analysis},
##     author = {Hadley Wickham},
##     journal = {Journal of Statistical Software},
##     year = {2011},
##     volume = {40},
##     number = {1},
##     pages = {1--29},
##     url = {http://www.jstatsoft.org/v40/i01/},
##   }
```

```
citation("psych")
```

```
##
## To cite the psych package in publications use:
##
##   Revelle, W. (2021) psych: Procedures for Personality and
##   Psychological Research, Northwestern University, Evanston, Illinois,
##   USA, https://CRAN.R-project.org/package=psych Version = 2.1.9,.
##
## A BibTeX entry for LaTeX users is
##
##   @Manual{,
##     title = {psych: Procedures for Psychological, Psychometric, and Personality Research},
##     author = {William Revelle},
##     organization = { Northwestern University},
##     address = { Evanston, Illinois},
##     year = {2021},
##     note = {R package version 2.1.9},
##     url = {https://CRAN.R-project.org/package=psych},
##   }
```

```
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 (2021). rmarkdown: Dynamic
##   Documents for R. R package version 2.11. URL
##   https://rmarkdown.rstudio.com.
##
##   Yihui Xie and J.J. Allaire and Garrett Grolemund (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("RColorBrewer")
```

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

```
##
##   Erich Neuwirth (2014). RColorBrewer: ColorBrewer Palettes. R package
##   version 1.1-2. https://CRAN.R-project.org/package=RColorBrewer
##
## A BibTeX entry for LaTeX users is
##
##   @Manual{,
##     title = {RColorBrewer: ColorBrewer Palettes},
##     author = {Erich Neuwirth},
##     year = {2014},
##     note = {R package version 1.1-2},
##     url = {https://CRAN.R-project.org/package=RColorBrewer},
##   }
```

```
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("SSACHR")
```

```
##
## To cite package 'SSACHR' in publications use:
##
##   Steven J. Pierce (2022). SSACHR: Serial Sexual Assault Study Criminal
##   History Records Paper Research Compendium. R package version 1.0.0.
##   https://github.com/sjpierce/SSACHR
##
## A BibTeX entry for LaTeX users is
##
##   @Manual{,
##     title = {SSACHR: Serial Sexual Assault Study Criminal History Records Paper
## Research Compendium},
##     author = {Steven J. Pierce},
##     year = {2022},
##     note = {R package version 1.0.0},
##     url = {https://github.com/sjpierce/SSACHR},
##   }
```

```
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("tinytex")
```

```
##
## To cite the 'tinytex' package in publications use:
##
##   Yihui Xie (2021). tinytex: Helper Functions to Install and Maintain
##   TeX Live, and Compile LaTeX Documents. R package version 0.36.
##
##   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("tidyr")
```

```
##
## To cite package 'tidyr' in publications use:
##
##   Hadley Wickham (2021). tidyr: Tidy Messy Data. R package version
##   1.1.4. https://CRAN.R-project.org/package=tidyr
##
## A BibTeX entry for LaTeX users is
##
##   @Manual{,
##     title = {tidyr: Tidy Messy Data},
##     author = {Hadley Wickham},
##     year = {2021},
##     note = {R package version 1.1.4},
##     url = {https://CRAN.R-project.org/package=tidyr},
##   }
```

```
citation("utils")
```

```
##
## The 'utils' package is part of R.  To cite R in publications use:
##
##   R Core Team (2021). 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 = {2021},
##     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.
```

```
citation("vistime")
```

```
##
## To cite package 'vistime' in publications use:
##
##   Sandro Raabe (2021). vistime: Pretty Timelines in R. R package
##   version 1.2.1. https://CRAN.R-project.org/package=vistime
##
## A BibTeX entry for LaTeX users is
##
##   @Manual{,
##     title = {vistime: Pretty Timelines in R},
##     author = {Sandro Raabe},
##     year = {2021},
##     note = {R package version 1.2.1},
##     url = {https://CRAN.R-project.org/package=vistime},
##   }
```

The current Git commit details and status are:

```
git_report()
```

```
## Local:    main S:/14-286/Analyses/SSACHR
## Remote:   main @ origin (https://github.com/sjpierce/SSACHR.git)
## Head:     [7ecfb11] 2022-01-15: Updated version number, date, and news.
##


## Untracked files:
##  Untracked:  inst/Step_01_Data_Mgt_Published.pdf
##  Untracked:  inst/Step_02_Analysis_Published.pdf
```