Science of the Total Environment (STOTEN) TEMPLATE [replace with the paper title]

Dexter H. Locke, PhDa [replace with your (co)author name(s)]

2019-01-30 11:01:49

This document was last Knit on 2019-01-30 11:01:50, which is in YYYY-MM-DD HH:MM:SS GMT format. Note that red text within [ ] are instructions, tips, reminders and/or guides and intended to be helpful. If they are not, then delete them! :-)

The file path associated with this Knit and project is /nfs/dlocke-data/R\_Markdown\_Journal\_Templates/Journals/STOTEN

aNational Socio-Environmental Synthesis Center (SESYNC)  
1 Park Place  
Annapolis MD 01610-1477  
USA  
PHONE 310 463 6202  
EMAIL [dexter.locke@gmail.com](mailto:dexter.locke@gmail.com), [dlocke@sesync.org](mailto:dlocke@sesync.org) <http://dexterlocke.com/>

# Abstract

[A concise and factual abstract is required. The abstract should state briefly the purpose of the research, the principal results and major conclusions. An abstract is often presented separately from the article, so it must be able to stand alone. For this reason, References should be avoided, but if essential, then cite the author(s) and year(s). Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.]

Begin typing here

# Keywords

[3-6]

Examples: Tree canopy, remote sensing, urban ecology, urban forestry, Latin America and the Caribbean

# Reserach Highlights

[3-5]

Examples: Tree canopy, remote sensing, urban ecology, urban forestry, Latin America and the Caribbean

# 1. Introduction

[State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.]

# 2. Matrial and methods

## 2.1 Sub-section

[Provide sufficient details to allow the work to be reproduced by an independent researcher. Methods that are already published should be summarized, and indicated by a reference. If quoting directly from a previously published method, use quotation marks and also cite the source. Any modifications to existing methods should also be described.]

Begin typing here

## 2.2 Data

[What data were used, why are they well-matched the research questions and relevant. Citations and/or links to (OPEN?) data sources should be provided]

Begin typing here

## 2.3. Analysis

### 2.3.1 Subsection 1?

[This section describes the data preparation such as making derivative products from the inputs, geoprocessing, or any other similar preparation steps]

Begin typing here

### 2.3.1 Subsection 2?:

[if needed]

Begin typing here

All statistical analyses were carried out with R version 3.4.4 (2018-03-15).

We define statistically significant as a p-value of <0.05.

# 3. Results

[This section describes the results without interpretation in two pages.]

## 3.1. Example subsection

## 3.2. Example subsection 2

**(Table 1).** Title of the first table

# 4. Discussion

[Justification and main finding]

Begin typing here

# 5. Conclusions

[This section gives the most important message in less than one page.]

Begin typing here

# Acknowledgements

[Grants, etc. Anonymous reviewers supplied constructive feedback that helped to improve this paper. Consider acknowledging this repo! <https://github.com/DHLocke/R_Markdown_Journal_Templates>]

This work was supported by the National Socio-Environmental Synthesis Center (SESYNC) under funding received from the National Science Foundation DBI-1639145.

# References

[References

Citation in text Please ensure that every reference cited in the text is also present in the reference list (and vice versa). Any references cited in the abstract must be given in full. Unpublished results and personal communications are not recommended in the reference list, but may be mentioned in the text. If these references are included in the reference list they should follow the standard reference style of the journal and should include a substitution of the publication date with either ‘Unpublished results’ or ‘Personal communication’. Citation of a reference as ‘in press’ implies that the item has been accepted for publication.

Reference links Increased discoverability of research and high quality peer review are ensured by online links to the sources cited. In order to allow us to create links to abstracting and indexing services, such as Scopus, CrossRef and PubMed, please ensure that data provided in the references are correct. Please note that incorrect surnames, journal/book titles, publication year and pagination may prevent link creation. When copying references, please be careful as they may already contain errors. Use of the DOI is highly encouraged.

A DOI is guaranteed never to change, so you can use it as a permanent link to any electronic article. An example of a citation using DOI for an article not yet in an issue is: VanDecar J.C., Russo R.M., James D.E., Ambeh W.B., Franke M. (2003). Aseismic continuation of the Lesser Antilles slab beneath northeastern Venezuela. Journal of Geophysical Research, <https://doi.org/10.1029/2001JB000884>. Please note the format of such citations should be in the same style as all other references in the paper.

Web references As a minimum, the full URL should be given and the date when the reference was last accessed. Any further information, if known (DOI, author names, dates, reference to a source publication, etc.), should also be given. Web references can be listed separately (e.g., after the reference list) under a different heading if desired, or can be included in the reference list.

Data references This journal encourages you to cite underlying or relevant datasets in your manuscript by citing them in your text and including a data reference in your Reference List. Data references should include the following elements: author name(s), dataset title, data repository, version (where available), year, and global persistent identifier. Add [dataset] immediately before the reference so we can properly identify it as a data reference. The [dataset] identifier will not appear in your published article.

References in a special issue Please ensure that the words ‘this issue’ are added to any references in the list (and any citations in the text) to other articles in the same Special Issue.

Reference management software Most Elsevier journals have their reference template available in many of the most popular reference management software products. These include all products that support Citation Style Language styles, such as Mendeley. Using citation plug-ins from these products, authors only need to select the appropriate journal template when preparing their article, after which citations and bibliographies will be automatically formatted in the journal’s style. If no template is yet available for this journal, please follow the format of the sample references and citations as shown in this Guide. If you use reference management software, please ensure that you remove all field codes before submitting the electronic manuscript. More information on how to remove field codes from different reference management software.

Users of Mendeley Desktop can easily install the reference style for this journal by clicking the following link: <http://open.mendeley.com/use-citation-style/science-of-the-total-environment> When preparing your manuscript, you will then be able to select this style using the Mendeley plug-ins for Microsoft Word or LibreOffice.

Reference formatting There are no strict requirements on reference formatting at submission. References can be in any style or format as long as the style is consistent. Where applicable, author(s) name(s), journal title/book title, chapter title/article title, year of publication, volume number/book chapter and the article number or pagination must be present. Use of DOI is highly encouraged. The reference style used by the journal will be applied to the accepted article by Elsevier at the proof stage. Note that missing data will be highlighted at proof stage for the author to correct. If you do wish to format the references yourself they should be arranged according to the following examples:

Reference style Text: All citations in the text should refer to: 1. Single author: the author’s name (without initials, unless there is ambiguity) and the year of publication; 2. Two authors: both authors’ names and the year of publication; 3. Three or more authors: first author’s name followed by ‘et al.’ and the year of publication. Citations may be made directly (or parenthetically). Groups of references can be listed either first alphabetically, then chronologically, or vice versa. Examples: ‘as demonstrated (Allan, 2000a, 2000b, 1999; Allan and Jones, 1999)…. Or, as demonstrated (Jones, 1999; Allan, 2000)… Kramer et al. (2010) have recently shown …’ List: References should be arranged first alphabetically and then further sorted chronologically if necessary. More than one reference from the same author(s) in the same year must be identified by the letters ‘a’, ‘b’, ‘c’, etc., placed after the year of publication. Examples: Reference to a journal publication: Van der Geer, J., Hanraads, J.A.J., Lupton, R.A., 2010. The art of writing a scientific article. J. Sci. Commun. 163, 51–59. <https://doi.org/10.1016/j.Sc.2010.00372>. Reference to a journal publication with an article number: Van der Geer, J., Hanraads, J.A.J., Lupton, R.A., 2018. The art of writing a scientific article. Heliyon. 19, e00205. <https://doi.org/10.1016/j.heliyon.2018.e00205>. Reference to a book: Strunk Jr., W., White, E.B., 2000. The Elements of Style, fourth ed. Longman, New York. Reference to a chapter in an edited book: Mettam, G.R., Adams, L.B., 2009. How to prepare an electronic version of your article, in: Jones, B.S., Smith , R.Z. (Eds.), Introduction to the Electronic Age. E-Publishing Inc., New York, pp. 281–304. Reference to a website: Cancer Research UK, 1975. Cancer statistics reports for the UK. <http://www.cancerresearchuk.org/aboutcancer/statistics/cancerstatsreport/> (accessed 13 March 2003). Reference to a dataset: [dataset] Oguro, M., Imahiro, S., Saito, S., Nakashizuka, T., 2015. Mortality data for Japanese oak wilt disease and surrounding forest compositions. Mendeley Data, v1. <https://doi.org/10.17632/xwj98nb39r.1>.]

Begin typing here

# Figures (if not alredy Knit into the text)

# Tables (if not alredy Knit into the text)

# Appendix

[The appendix gives technical material that is important but too long and detailed for most readers. Most papers will not have an appendix. Consider also including links to data and reproducible R code]

sessionInfo()

## R version 3.4.4 (2018-03-15)  
## Platform: x86\_64-pc-linux-gnu (64-bit)  
## Running under: Ubuntu 16.04.5 LTS  
##   
## Matrix products: default  
## BLAS: /usr/lib/libblas/libblas.so.3.6.0  
## LAPACK: /usr/lib/lapack/liblapack.so.3.6.0  
##   
## locale:  
## [1] LC\_CTYPE=en\_US.UTF-8 LC\_NUMERIC=C   
## [3] LC\_TIME=en\_US.UTF-8 LC\_COLLATE=en\_US.UTF-8   
## [5] LC\_MONETARY=en\_US.UTF-8 LC\_MESSAGES=en\_US.UTF-8   
## [7] LC\_PAPER=en\_US.UTF-8 LC\_NAME=C   
## [9] LC\_ADDRESS=C LC\_TELEPHONE=C   
## [11] LC\_MEASUREMENT=en\_US.UTF-8 LC\_IDENTIFICATION=C   
##   
## attached base packages:  
## [1] stats graphics grDevices utils datasets methods base   
##   
## other attached packages:  
## [1] knitr\_1.21 forcats\_0.3.0 stringr\_1.3.1 dplyr\_0.7.8   
## [5] purrr\_0.2.5 readr\_1.3.1 tidyr\_0.8.2 tibble\_2.0.1   
## [9] ggplot2\_3.1.0 tidyverse\_1.2.1  
##   
## loaded via a namespace (and not attached):  
## [1] Rcpp\_1.0.0 cellranger\_1.1.0 plyr\_1.8.4 pillar\_1.3.1   
## [5] compiler\_3.4.4 bindr\_0.1.1 tools\_3.4.4 digest\_0.6.18   
## [9] lubridate\_1.7.4 jsonlite\_1.6 evaluate\_0.12 nlme\_3.1-137   
## [13] gtable\_0.2.0 lattice\_0.20-38 pkgconfig\_2.0.2 rlang\_0.3.1.9000  
## [17] cli\_1.0.1 rstudioapi\_0.9.0 yaml\_2.2.0 haven\_1.1.2   
## [21] xfun\_0.4 bindrcpp\_0.2.2 withr\_2.1.2 xml2\_1.2.0   
## [25] httr\_1.4.0 hms\_0.4.2 generics\_0.0.2 grid\_3.4.4   
## [29] tidyselect\_0.2.5 glue\_1.3.0 R6\_2.3.0 readxl\_1.2.0   
## [33] rmarkdown\_1.11 modelr\_0.1.2 magrittr\_1.5 backports\_1.1.3   
## [37] scales\_1.0.0 htmltools\_0.3.6 rvest\_0.3.2 assertthat\_0.2.0  
## [41] colorspace\_1.4-0 stringi\_1.2.4 lazyeval\_0.2.1 munsell\_0.5.0   
## [45] broom\_0.5.1 crayon\_1.3.4

# End on  
date()

## [1] "Wed Jan 30 11:01:50 2019"