**AUTHOR RESPONSE TO EDITOR AND REVIEWER FEEDBACK**

**LandsatTS: an R package to facilitate retrieval, cleaning, cross-calibration, and phenological modeling of Landsat time-series data**

**Recommendation by the Subject Editor (Dr. Michael Borregaard):**

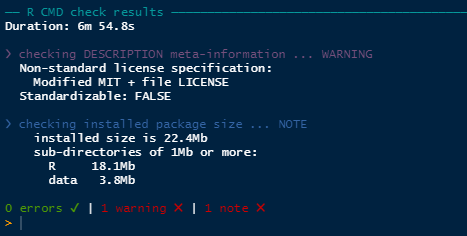
The reviewers both find that this revision has been successful, and I agree. One of the reviewers still have some technical comments about making the package more accessible and clarify issues, and these seem highly relevant, but also easy to address.

Author response: We thank the subject editor for providing the opportunity to further clarify several issues. We have now addressed the final issues raised by Reviewer 1, specifically cleaning up package NAMESPACE issues, adding a vignette accessible from R, and other minor changes. The manuscript and package have improved considerably during several rounds of revisions and are hopefully now suitable for publication with Ecography.

**Reviewer 1 Comments to Author:**

I downloaded LandsatTS version 1.1.0 from github (2023-03-29) and encountered the same NAMESPACE and dependency problems when running R CMD check. I do think those should be cleaned up before publication. The NAMESPACE issues at least are straightforward.

Author response: While it was on our to-do list, we apologize for not having cleaned up the NAMESPACE issues during the prior revisions. We have now addressed these issues, which were mostly related to using the data.table package. As shown below, R CMD check now yields one warning related to use of a nonstandard license (Modified MIT) and one note related to package size (22.4 Mb), but no errors or other issues.



I also wonder if you need the entire tidyverse, or only a few packages, since that's a lot to require the user to install and load.

Author response: Rather than the whole *tidyverse*, we now specifically import *dplyr* and *tidyr*.

The other issue is that the examples and tests will not run correctly without GEE installed. Adding a check to those examples and tests to only run them if they \*can\* run would be useful, particularly since you've clarified the workflow to separate GEE and non-GEE components. You can work on these by running R CMD check on a computer that only has R, and not the python and other GEE components installed. I'll also include my log as an extra file with this review. It isn't absolutely crucial that this package pass R CMD check successfully, I suppose, but it does demonstrate that basic flaws have been fixed. Note that I didn't run it with the --as-cran option, which is stricter, but only ran the basic checks.

Author response: We have now implemented these checks so specific examples and tests will only be run if GEE is available. As noted above, R CMD check now yields only one warning and one note, neither of which are pose a concern.

The code in boxes 2-4 runs perfectly. I would suggest adding the figure numbers to the comments for the appropriate lines, so the reader can see what happens without actually running it (or see if they're getting the right results).

Author response: This is a good idea. The figure and table numbers are now referenced at the appropriate lines in the comments within each code box.

Despite what the authors state, there's no vignette in the package repo. A detailed README.md is great, but a vignette is a formal part of the package, and is installed and available to the user through R. All that should be needed is to move the README.Rmd into the appropriate place, and perhaps some small tweaks [manual](<https://r-pkgs.org/vignettes.html>). I still suggest that should be included with the publication as supplementary material, to create a version of record and so that the reader can have all the relevant materials in one place. A readme is on github only, and not installed with the package or visible to the R user:

> browseVignettes("LandsatTS")

No vignettes found by browseVignettes("LandsatTS")

Author response: We interpreted the GitHub README as analogous to a vignette but have now followed the reviewer’s suggestion to include a formal vignette as part of the package. A user can now install the package [install\_github(“logan-berner/LandsatTS”, build\_vignettes = TRUE)] and then access the vignette from within R by calling vignette(“LandsatTS”). We have included a PDF copy of the vignette as supplemental material as requested and provided further information in the manuscript about accessing the vignette.

We are grateful to the reviewer for carefully evaluating our manuscript and software. Their recommendations enabled us to significantly improve the quality of this work.

**Reviewer 2 Comments to the Author:**

I have no additional comments

Author response: We thank the reviewer for sharing their time and expertise during the review process.