



**Barcelona
Supercomputing
Center**

Centro Nacional de Supercomputación



**EXCELENCIA
SEVERO
OCHOA**

R tools user meeting

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contributor:

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Agenda

1. Icebreaker
2. News
 - s2dv
 - startR
3. How to review package development?
4. Xaringan [An-Chi]
5. Results poll to set-up next meeting
6. useR! 2021 links of interest
7. Q&A

Icebreaker

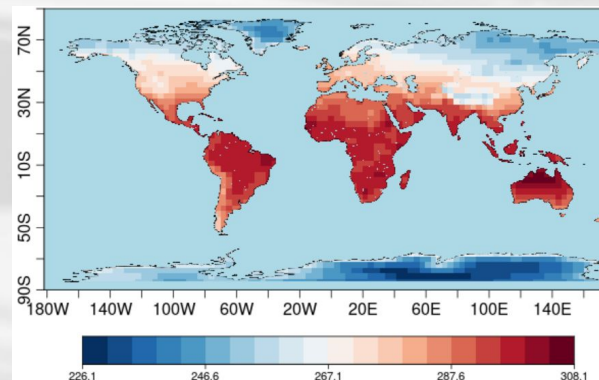
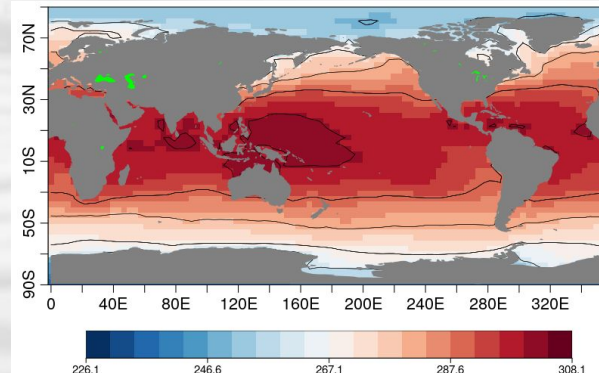
Icebreaker

- Color-blind test <https://www.colorlens.com/color-blind-test.html>
- Reversed color-blind test <https://www.cs.unm.edu/~aaron/creative/colorTest.htm>

s2dv

New release v1.0.0

- NEWS.md
<https://earth.bsc.es/gitlab/es/s2dv/-/blob/master/NEWS.md>
- s2dverification v2.9.0 (stop development)
- New plotting options
 - PlotEquiMap(): Add new arguments 'contour_draw_label', 'lake_color', 'lab_dist_x', 'lab_dist_y', and 'degree_sym'. Add ocean mask feature.



startR

- Bugfixes: Allow target dimensions to have different lengths.

use case:

https://earth.bsc.es/gitlab/es/startR/-/blob/master/inst/doc/usecase/ex2_11_two_dat_inconsistent_target_dim.R

- About time attributes...

If you use values to define the time selector, Start() looks for the closest value in the data. If the provided values are quite in the middle of two actual values (e.g., monthly data with the timestamp at 15th but the provided values are at 1st), you may get some unwanted values or directly miss some values.

Revised use case:

https://earth.bsc.es/gitlab/es/startR/-/blob/master/inst/doc/usecase/ex1_2_exp_o_bs_attr.R

How to review package development?

How to review the development?

Do you always feel lost when we ask you to review the bugfixes or development for the package?



aho @aho · 4 months ago

Hi @lpalma

The fix is in branch `develop-implicit_inner_dim` now. Can you check with your script? Thanks!



aho @aho · 2 months ago

Hi @eexarchou, it is a bug I've fixed for #95 (closed) but the fix is not installed yet. It is in the master branch now. We're going to have a new release in the coming weeks. If you're urgent to have this fix, **could you use the master branch for now?** Sorry for the inconvenience.

An-Chi

Maintainer



aho @aho · 9 months ago

Hi @amanriqu

The bug has been fixed in branch 'develop-ReplaceGlobExpressions'. I tested your original script and it works well. Could you check if it works fine for you?

Many thanks,
An-Chi

Maintainer



How to review the development?

1. Clone the gitlab project or update the project with `git pull` (on master branch)
2. Move to branch to be tested by `git checkout <branch_name>`
3. Open an R console and load all functions from the repo using the following lines

```
#source all the .R files
path <- "/home/Earth/aho/startR/R/"
ff <- lapply(list.files(path), function(x) paste0(path, x))
invisible(lapply(ff, source))
# load all the libraries
lib <- c('parallel', 'abind', 'bigmemory', 'future', 'multiApply',
        'PCICt', 'ClimProjDiags', 'ncdf4', 'plyr')
invisible(lapply(lib, library, character.only = TRUE))
```

4. Run the testing script. Notice that `library(startR)` is not needed!!

****It's recommended cloning the projects under /esarchive/scratch/<user_id>/**

Xaringan

Xaringan

“The xaringan package (Xie 2021e) is an R Markdown extension based on the JavaScript library remark.js to generate HTML5 presentations of a different style.”

Tutorial: <https://slides.yihui.org/xaringan/#1>

- An R package that creates R markdown files in the presentation slide mode.
- Good for text-based style presentation.
- Use CSS to style the slides.
- Include those nice features of R markdown, e.g., code blocks; knit to html/pdf; etc.
- Not very friendly to “creative” presentation style.

My presentation in useR! 2021:

https://earth.bsc.es/gitlab/aho/aho-testtest/-/blob/master/useR_conference/useR_conf_AnChi.html

Q & A

Next meeting: __th Sep. 2021 (__day __pm)