SOFTWARE

R GROUNDHOG

12.07.2023

Reproducible science needs controlled environments.

Every Python programmer knows of the numerous incompatibilites "conda activate..." while there isn't such a thing in R. Well until now... or at least as I learned it today...

Groundhog should be a R core function.



Nutshell Usage Many Rs Back End Troubleshooting

Nutshell

Groundhog in a nutshell.

Make your R scripts reproducible by replacing library(pkg) with groundhog.library(pkg,date)

- groundhog.library() loads packages & their dependencies as available on chosen date on CRAN.
- · Packages get automatically installed if needed.
- Installation keeps, rather than replaces, existing other versions of that package.
- · All operating systems and R versions install/load the same package version
- If you want to discontinue using groundhog, simply: groundhog-library(pkg-date).

Example:

```
install.packages("groundhog")
library("groundhog")
pkgs <- c("rio", "metafor")
groundhog.library(pkgs, "2021-09-01")</pre>
```

Aug 5, 2023

https://groundhogr.com/

Thank you for pointing me to <u>renv 1.0.0</u>

We're thrilled to announce the release of renv 1.0.0. renv has been around since 2019 as the successor to packrat, but this is the first time (!!) we're blogging about it.

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