

SOFTWARE

R GROUNDHOG

12.07.2023

Reproducible science needs controlled environments.

Every Python programmer knows of the numerous incompatibilities “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

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")
```

<https://groundhogr.com/>

Aug 5, 2023

Thank you for pointing me to [renv 1.0.0](#)

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.

