

IS THIS PACKAGE FOR YOU?

If you never save your workspace (Global environment)



If your workspace is easily manageable

(ツ)/

If your workspaces are complex and complicated



- Large objects
- Many objects
- Large computing times for creating some objects
- Different versions or modifications of the same object

WHAT DOES THE PACKAGE DO?

- Incremental and/or selective saves of the workspace
- Selectively load objects into the workspace
- Lazy loading of objects into the workspace
- Keep track of details of each saved object
- Save, and allow to restore, different versions of the "same" object.

HOW DOES IT WORK?

First execution of save_incremental()
 Saves all objects to files on disk
 Records information in a data table (reference table)

 Subsequent executions of save_incremental()
 Checks each object in the reference table:

3. load_incremental() loads saved objects from disk according to ref. table

If the object is already registered ___ Does not save again

If the object is not registered ___ Saves it to disk and registers it

STRUCTURE OF THE REFERENCE TABLE

Objects are identified by their hash

```
object
             class
                                          date
                                                                                                user annotation
                    size
                                                                                      comment
  datos data.frame
                     58240 2024-05-31 11:45:15 f37f3cb60a929b5b8d465dcd4f2132ce
                                                                                          <NA> aghila
                                                                                                              NA
  mod1
               clm
                     53032 2024-05-31 11:45:15 7dcbcd8654f29a6a95bca23301135216
                                                                                          <NA> aghila
                                                                                                              NΑ
           brmsfit 2241344 2024-05-31 11:45:15 02aef4d696bacb77fd5eedbd683e993a
                                                                                          <NA> aghila
   mod2
                                                                                                              NA
                                                                                          <NA> aghila
  mod1
                     62720 2024-05-31 12:02:53 95061387199fe63cf435dee0db389365
   mod2
           hrmsfit 1419480 2024-05-31 12:02:53 1ef9943665dad4d114069e278348eff5
                                                                                          <NA> aghila
                                                                                                              NA
  datos data.frame
                     16352 2024-11-06 00:28:01 31a9aa1288899ad7643a1af669fa3b94 Original data aghila
                     24992 2024-11-06 00:28:01 f5b2cb4c102d9e870e6e067950afec2f Cleaned data aghila
datos f data.frame
                                                                                                              NA
```

load_incremental() has a subset argument for loading objects selectively

```
load_incremental(class == "data.frame")
```

load_incremental(date > as.POSIXct("2024-11-01")

EXAMPLE

Install package:

remotes::install_github("David-hervas/isaves")

Code at: https://github.com/David-Hervas/R_Sevilla/

THANK YOU!