# Reproducible Environments with RENV

Is your project R-based? The renv package helps you set up R projects and manage dependencies to keep your environment consistent and reproducible.

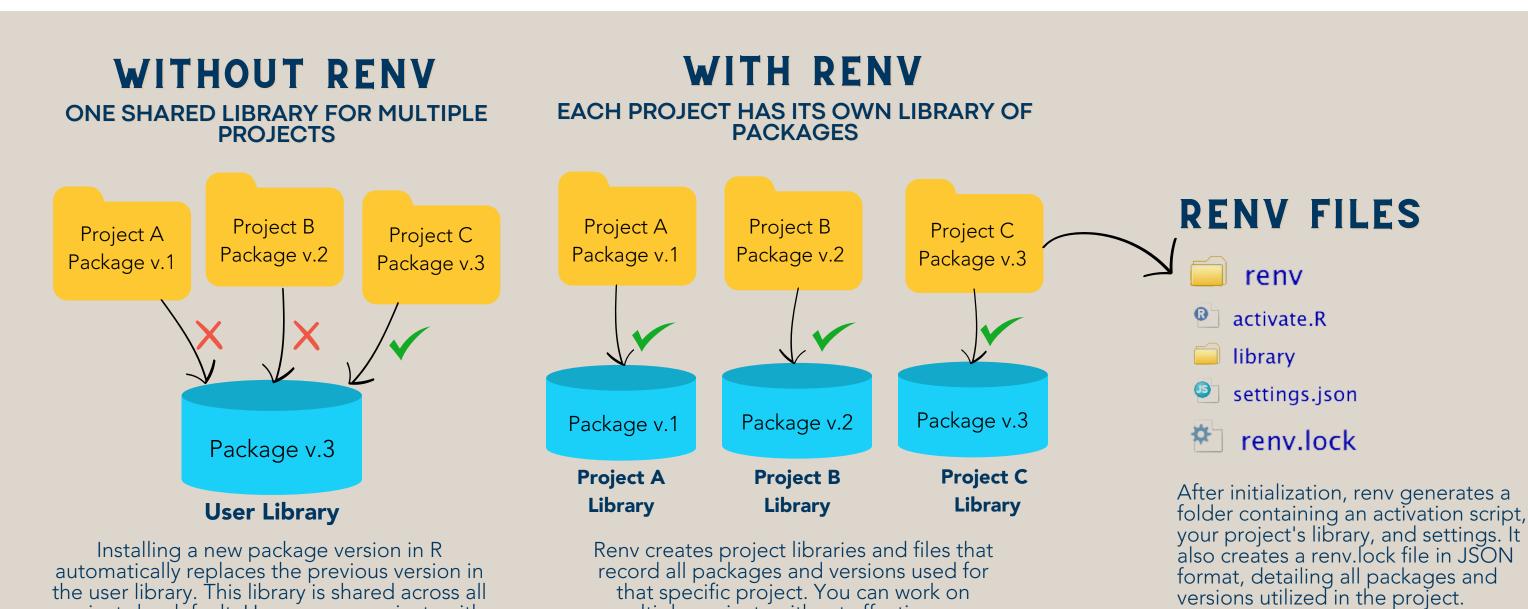
## **ADVANTAGES**

- Isolation: Allows you to add or update a package in one project without affecting your other projects by creating separate libraries for each project.
- Portability: Helps you move your R projects across computers and platforms effortlessly, simplifying the installation of required packages.
- Reproducibility: Logs the precise package versions you rely on, guaranteeing installation consistency wherever you work.



Sharing these files enables others to

reproduce your work.



# RENV BASIC WORKFLOW & COMMANDS



Initialize your project library renv::init()



multiple projects without affecting one

another and easily share your project and its

dependencies for others to reproduce it.

#### Install and remove packages

renv::install() or install.packages() renv::remove() or remove.packages()



### Save changes to your project library

renv::snapshot()

RStudio/Posit offers integrated renv support for new projects. You may skip step 1 if you check the "Use Renv with this project" box.

projects by default. Hence, your projects with code relying on different versions of the same

package might break.

