Renv Instruction

## What is renv?

Package that helps create reproducible environments for your R projects.

More info: [Introduction to renv](https://rstudio.github.io/renv/articles/renv.html?_gl=1*1lvqqs5*_ga*MTYzNjAxNDk2MS4xNzIyNTAzNDcx*_ga_2C0WZ1JHG0*MTczNDQzNjAzMi4xMi4wLjE3MzQ0MzYwMzIuMC4wLjA.).

## Workflow with renv

1. Install renv package:

install.packages("renv")

1. Initialize renv:

renv::init()

Outcome:

* renv creates a new folder with project-specific library for your packages - renv/library.
* It generates a renv.lock file, which records the exact versions of all currently installed packages.
* .Rprofile file is also created to automatically activate renv when the project is loaded.

1. Install new packages or update existing ones:

install.packages("wrappedtools")

1. Snapshot environment to the renv.lock file:

renv::snapshot()

1. Restore environment of the project or share the project with a new person:

renv::restore()

Outcome:

* renv reads the renv.lock file.
* It installs the exact versions of the required packages into the project library.

1. To share with a new person give access to the entire project or a specific script along with renv.lock file. Use renv::restore() to recreate the exact package environment as recorded in the renv.lock file.
2. Use renv::status() to check for issues or unused packages.