

Preparations for the Hands-On workshop using Git & GitHub via RStudio in the Office HouR on January 10th, 2023.

To make the most of our time, we recommend that you prepare for the workshop by installing the following software ahead of time.

Please note that these preparations will require some time to complete. Please do not delay them to the last moment before the workshop.

R and RStudio

Please ensure that you are using a recent version of R ($\geq 4.0.0$) and RStudio.

R packages

We will use a few different R packages in the workshop. While you may want to use additional one, the following ones are essential and should, ideally, already be installed before the start of the workshop.

```
# Check if packages are installed and install if not
pkgs <- ("usethis", "gitcreds")
if(length(new_pkgs <- setdiff(pkgs, rownames(installed.packages()))))install.packages(new_pkgs)
```

Git & GitHub

We will use Git for version control (change tracking) and as a tool for collaboration. The following steps may be daunting at first, but the linked-to instructions are excellent and should get you set up in no time. You can do it! :-)

In preparation, please

1. Make yourself admin on your computer
2. Create a [GitHub](#) account
3. Install Git (see [instructions](#)) (use the e-mail address you used for your GitHub account)
 - If MS Windows is your OS: During installation of Git, add `git bash` to the Windows context menu by selecting its option (this should be the default)
4. Start `git bash` (Windows) or open the Terminal (MacOS) and type in `git -v` (you should see something like `git version 2.38.1`, which indicates that Git is properly installed).
5. Configure Git (see [instructions](#))

Step 6 and 7 are optional. We will cover them in the Office HouR

6. Create a personal access token (PAT) for HTTPS authentication (see [instructions](#))
7. Confirm that you can connect to GitHub (see [instructions](#))