

STAT570 - Lecture2

Fulya Gökalp Yavuz

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For this lecture, you need:

- R version $\geq 4.2.0$
- RStudio $\geq 2023.03.1$

1 Install R

Download and install R for your operating system from <https://cloud.r-project.org/>.

1.0.1 Install R Studio

Download and install RStudio Desktop from <https://posit.co/download/rstudio-desktop/>. This page should automatically offer you the version suitable for your operating system, but you can scroll down to find versions for all operating systems.

2 Github Account

Register a GitHub account at github.com.

2.1 Check link between R and GitHub

Configure your `user.name` and `user.email` for git in RStudio with:

```
usethis::use_git_config(  
  user.name = "Charlie Brown",          # actual first and last name  
  user.email = "brown@example.com"     # email associated with GitHub account  
)
```

Communicating with GitHub requires authentication with your GitHub account. This is achieved by creating and securely storing a Personal Access Token (PAT). The [Managing Git\(Hub\) Credentials](#) vignette in the **usethis** (Wickham et al. 2023) package has details on using PATs, but for now the following should suffice.

Make sure you are connected to the GitHub Account from R. Before going to `use_github()`, we have to take the token by typing:

```
usethis::create_github_token()
```

Write something to the description. Take the token from there and type in console:

```
gitcreds::gitcreds_set()
```

Paste the token there and we are good to go.

Highly recommended book [Happy Git with R](#) for advice on setting up and using Git with R (Bryan and Hester, n.d.).

2.2 Connect your RStudio to a GitHub Repository

Create your repository in **GitHub** and copy the link from Github Code»Clone»HTTPS. Then move back to **RStudio** and File>>New Project>>Version Control>>Git>>Clone Git Repository and paste your link to URL and create a new Project.

2.3 References:

<https://posit-conf-2023.github.io/pkg-dev/setup.html#install-r-package-development-tools>

Github and RStudio: <https://resources.github.com/github-and-rstudio/>