

Connecting RStudio, Git, and GitHub

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If you haven't set up git and GitHub yet, follow the Pages 1-8 here: <https://happygitwithr.com/index.html>. Otherwise, start from here:

New Personal Access Token (PAT)

Go to <https://github.com/settings/tokens> and click 'Generate Token', or run the following code to open the page:

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

Copy PAT, and run the following to view your git credentials. Update the password if it needs updating.

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

Clone a repo

Enter the following in the TERMINAL

```
git clone https://github.com/daniela-palleschi/daniela-palleschi.github.io.git # clones  
↪ repo  
pwd # print wd (should be parent folder of current Rproj)  
cd daniela-palleschi.github.io # change wd to repo folder  
  
head README.md # print the README  
git remote show origin # get some info on the connection to GitHub
```

Work on a local repo that already exists

```
pwd # print wd  
cd ~/Documents/PhD/DFG/daniela-palleschi.github.io # change directory
```

Make changes locally

Now make a change locally to the README to see that git recognises it.

```
# in TERMINAL  
echo "A line I wrote on my local computer" >> README.md # add a line  
git status # check the status
```

Commit and push local changes to GitHub

```
git add README.md # 'stage' this change
git commit -m "A commit from my local computer" # commit this change to the README with
↳ the message given under 'commits'
git push # push it to GitHub, and you should see the new sentence on the README in your
↳ browser
```

Now I manually opened README.md in RStudio and removed the ‘new’ sentence, and saved the file. When I run `git status`, I see the sentence was removed. I again stage, commit, and push.

```
git add README.md # 'stage' this change
git commit -m "Removed sentence from README"
git push
```

Edit GitPages: local to remote

Now I can do the same thing with the other website files :) E.g., I’ve added some more recent poster presentations to my presentations.html file. Now, in the terminal I run the following lines in the terminal, and just wait a few minutes for my website to be updated :)

```
git status # see that presentations.html is modified
git add presentations.html
git commit -m "Updated 'presentations' page with recent conference presentations"
git push
```