

Essential Git and R Commands for Reproducible Analysis – SABERWest 2020

Working with Git Repos:

```
cd, ls, Esc, q, :wq
git init
echo "FILENAME" >> .gitignore
git config -- global user.name "NAME"
git config -- global user.email "EMAIL ADDRESS"
git add .
git commit -m "COMMIT MESSAGE"
git branch "BRANCH NAME"
git checkout "BRANCH NAME"
git merge "BRANCH NAME"
git branch -d "BRANCH NAME"
git log
git log --oneline --graph --decorate --all
git remote add origin GITHUBREPOURL
git push -u origin master
git pull
```

Working with R Packages:

```
library(devtools)
library(roxygen2)
create("PACKAGENAME")
devtools::document()
install("PACKAGEPATH")
install_github("REPOPATH")
```

```
#' Add one to a given number.
#
#' @param x A number.
#' @return The sum of \code{x} and 1.
#' @examples
#' addone(x)
add <- function(x) { x + 1 }
```