

# Basic Git Commands

Go back to [Fan's Tex4Econ and Miscellaneous Repository](#).

## Basic git commands

```
# show all remote url
git remote -v
```

## Git Connect to remote

**Check File Status** Check if a particular file has had local changes that have not been committed yet.

Use the `git status` command, with short `-s` option:

- *modified*: the `grepl(' M ')` check will be true
- *new*: the `grepl('??')` check will be true
- *existing no change*: the `(st_git_status == "")` check will be true

```
spg_modified <-
  paste0('git status -s',
        'C:/Users/fan/R4Econ/amto/array/fs_ary_mesh.Rmd')
spg_anevfile <-
  paste0('git status -s',
        'C:/Users/fan/R4Econ/math/differentiation/fs_differentiate_lhopital.Rmd')
spg_nochange <-
  paste0('git status -s',
        'C:/Users/fan/R4Econ/math/func_ineq/fs_atkinson_ces.Rmd')

st_git_status <- toString(system(spg_modified, intern=TRUE))
grepl(' M ', st_git_status, fixed=TRUE)
grepl('?? ', st_git_status, fixed=TRUE)
(st_git_status == "")

st_git_status <- toString(system(spg_anevfile, intern=TRUE))
grepl(' M ', st_git_status, fixed=TRUE)
grepl('?? ', st_git_status, fixed=TRUE)
(st_git_status == "")

st_git_status <- toString(system(spg_nochange, intern=TRUE))
grepl(' M ', st_git_status, fixed=TRUE)
grepl('?? ', st_git_status, fixed=TRUE)
(st_git_status == "")
```