**Git Documentation**

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# Git Initialization & saving first file:

Sam@Sam-PC MINGW64 ~ (master)

$ cd J:/R/Re\*

Sam@Sam-PC MINGW64 /j/R/Repository

$ pwd

/j/R/Repository

Sam@Sam-PC MINGW64 /j/R/Repository

$ ls

Sam@Sam-PC MINGW64 /j/R/Repository

$ git init

Initialized empty Git repository in J:/R/Repository/.git/

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ ls

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ ls

stock.R

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

Initial commit

Untracked files:

(use "git add <file>..." to include in what will be committed)

stock.R

nothing added to commit but untracked files present (use "git add" to track)

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git add stock.R

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

Initial commit

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: stock.R

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git commit -m "Unload to R - v1"

[master (root-commit) aa502c3] Unload to R - v1

1 file changed, 32 insertions(+)

create mode 100644 stock.R

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

nothing to commit, working directory clean

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git remote add origin https://github.com/SamJake/Stk\_prdctn.git

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git remote show origin

\* remote origin

Fetch URL: https://github.com/SamJake/Stk\_prdctn.git

Push URL: https://github.com/SamJake/Stk\_prdctn.git

HEAD branch: (unknown)

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git push origin master

Counting objects: 3, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (2/2), done.

Writing objects: 100% (3/3), 566 bytes | 0 bytes/s, done.

Total 3 (delta 0), reused 0 (delta 0)

To https://github.com/SamJake/Stk\_prdctn.git

\* [new branch] master -> master

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git statuss

git: 'statuss' is not a git command. See 'git --help'.

Did you mean this?

status

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

nothing to commit, working directory clean

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git log

commit aa502c39c98b856a1602bcdd7ee9a9dc9a63e586

Author: Sam Jake <samjulian88@gmail.com>

Date: Sat Apr 2 01:05:01 2016 +0530

Unload to R - v1

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

# Adding folder:

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ ls

Documentation/ stock.R

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

Documentation/

nothing added to commit but untracked files present (use "git add" to track)

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git add -All

error: unknown switch `l'

usage: git add [<options>] [--] <pathspec>...

-n, --dry-run dry run

-v, --verbose be verbose

-i, --interactive interactive picking

-p, --patch select hunks interactively

-e, --edit edit current diff and apply

-f, --force allow adding otherwise ignored files

-u, --update update tracked files

-N, --intent-to-add record only the fact that the path will be added later

-A, --all add changes from all tracked and untracked files

--ignore-removal ignore paths removed in the working tree (same as --no-all)

--refresh don't add, only refresh the index

--ignore-errors just skip files which cannot be added because of errors

--ignore-missing check if - even missing - files are ignored in dry run

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git add -A

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

Changes to be committed:

(use "git reset HEAD <file>..." to unstage)

new file: Documentation/Git Documentation.docx

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git commit -m "Git documentation -v1"

[master 227f927] Git documentation -v1

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 Documentation/Git Documentation.docx

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git statuss

git: 'statuss' is not a git command. See 'git --help'.

Did you mean this?

status

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

nothing to commit, working directory clean

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git log

commit 227f92731124d23206d83a38a3a3eeeea6c13679

Author: Sam Jake <samjulian88@gmail.com>

Date: Sat Apr 2 01:15:40 2016 +0530

Git documentation -v1

commit aa502c39c98b856a1602bcdd7ee9a9dc9a63e586

Author: Sam Jake <samjulian88@gmail.com>

Date: Sat Apr 2 01:05:01 2016 +0530

Unload to R - v1

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git push origin master

Counting objects: 4, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (4/4), done.

Writing objects: 100% (4/4), 13.74 KiB | 0 bytes/s, done.

Total 4 (delta 0), reused 0 (delta 0)

To https://github.com/SamJake/Stk\_prdctn.git

aa502c3..227f927 master -> master

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

# Updating a file:

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git checkout -- <file>..." to discard changes in working directory)

modified: Documentation/Git Documentation.docx

no changes added to commit (use "git add" and/or "git commit -a")

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git add Documentation/Git Documentation.docx

fatal: pathspec 'Documentation/Git' did not match any files

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git add /Documentation/Git Documentation.docx

fatal: Could not switch to 'C:/Program Files/Git/Documentation/': No such file or directory

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git add -A

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

Changes to be committed:

(use "git reset HEAD <file>..." to unstage)

modified: Documentation/Git Documentation.docx

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git commit -m "Git Documentation -v2"

[master 7fee282] Git Documentation -v2

1 file changed, 0 insertions(+), 0 deletions(-)

rewrite Documentation/Git Documentation.docx (81%)

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git push origin master

Counting objects: 4, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (4/4), done.

Writing objects: 100% (4/4), 18.82 KiB | 0 bytes/s, done.

Total 4 (delta 0), reused 0 (delta 0)

To https://github.com/SamJake/Stk\_prdctn.git

227f927..7fee282 master -> master

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

# Saving multiple files at one go:

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git checkout -- <file>..." to discard changes in working directory)

modified: stock.R

Untracked files:

(use "git add <file>..." to include in what will be committed)

Sample plots/

no changes added to commit (use "git add" and/or "git commit -a")

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git add -

fatal: pathspec '-' did not match any files

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git add -A

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git status

On branch master

Changes to be committed:

(use "git reset HEAD <file>..." to unstage)

new file: Sample plots/Rplot1.jpeg

new file: Sample plots/Rplot2.jpeg

new file: Sample plots/Rplot3.jpeg

modified: stock.R

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git commit -m "Adding sample plots -v1"

[master 5e0ec31] Adding sample plots -v1

4 files changed, 3 insertions(+), 3 deletions(-)

create mode 100644 Sample plots/Rplot1.jpeg

create mode 100644 Sample plots/Rplot2.jpeg

create mode 100644 Sample plots/Rplot3.jpeg

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$

Sam@Sam-PC MINGW64 /j/R/Repository (master)

$ git push origin master

Counting objects: 7, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (7/7), done.

Writing objects: 100% (7/7), 182.16 KiB | 0 bytes/s, done.

Total 7 (delta 1), reused 0 (delta 0)

To https://github.com/SamJake/Stk\_prdctn.git

a2ce109..5e0ec31 master -> master

Sam@Sam-PC MINGW64 /j/R/Repository (master)