

DATA SCIENCE GIT: THE LAB

APRIL 16, 2014

GITHUB - FORK

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<https://github.com/fidsteve/DAT6-git-lab>

PUBLIC  [fidsteve / DAT6-git-lab](#)

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Description
Short description of this repository

Website
Website for this repository (optional)

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1 commit 1 branch 0 releases 1 contributor

 [branch: master](#) / [DAT6-git-lab](#) / 

Initial commit

 [fidsteve](#) authored 6 hours ago latest commit [2a75889a23](#)

 [README.md](#) Initial commit 6 hours ago

 [README.md](#)

DAT6-git-lab

Code

Issues 0

Pull Requests 0

Wiki

Pulse

Graphs

Network

Settings

SSH clone URL

`git@github.com:fidsteve/DAT6-git-lab.git`

You can clone with [HTTPS](#), [SSH](#), or [Subversion](#).

[Clone in Desktop](#)

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```
$ git clone git@github.com:<YOUT\_GITHUB>/DAT6-git-lab.git
Cloning into 'DAT6-git-lab'...
remote: Counting objects: 3, done.
remote: Total 3 (delta 0), reused 0 (delta 0)
Unpacking objects: 100% (3/3), done.
$ cd DAT6-git-lab; ls
README.md
$ git pull https://github.com/fidsteve/DAT6-git-lab master
remote: Counting objects: 4, done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0)
Unpacking objects: 100% (3/3), done.
From https://github.com/fidsteve/DAT6-git-lab
  2a75889..616e974  master      -> origin/master
Updating 2a75889..616e974
Fast-forward
  first_file | 0
  1 file changed, 0 insertions(+), 0 deletions(-)
  create mode 100644 first_file
```

```
$ git branch REPLACE_WITH_YOUR_BRANCH_NAME
$ git branch
  REPLACE_WITH_YOUR_BRANCH_NAME
* master
$ git checkout REPLACE_WITH_YOUR_BRANCH_NAME
Switched to branch 'REPLACE_WITH_YOUR_BRANCH_NAME'
$ echo "test text" > REPLACE_WITH_ANOTHER_NAME
$ git status
# Not currently on any branch.
# Untracked files:
#   (use "git add <file>..." to include in what will be committed)
#
#       REPLACE_WITH_ANOTHER_NAME
$
```

```
$ git add REPLACE_WITH_ANOTHER_NAME
$ git status
# Not currently on any branch.
# Changes to be committed:
#   (use "git reset HEAD <file>..." to unstage)
#
#       new file:   REPLACE_WITH_ANOTHER_NAME
#
$ git commit -m "this is a comment for the commit"
[detached HEAD a90b8b8] this is a comment for the commit
 1 file changed, 3 insertion(+)
  create mode 100644 REPLACE_WITH_ANOTHER_NAME
$ git log
commit a90b8b8516fca94e9f6fe201bddfb9fee9e1005
Author: Drew Stevens <drew.stevens@stem.com>
Date:   Wed Apr 14 11:26:05 2014 -0700

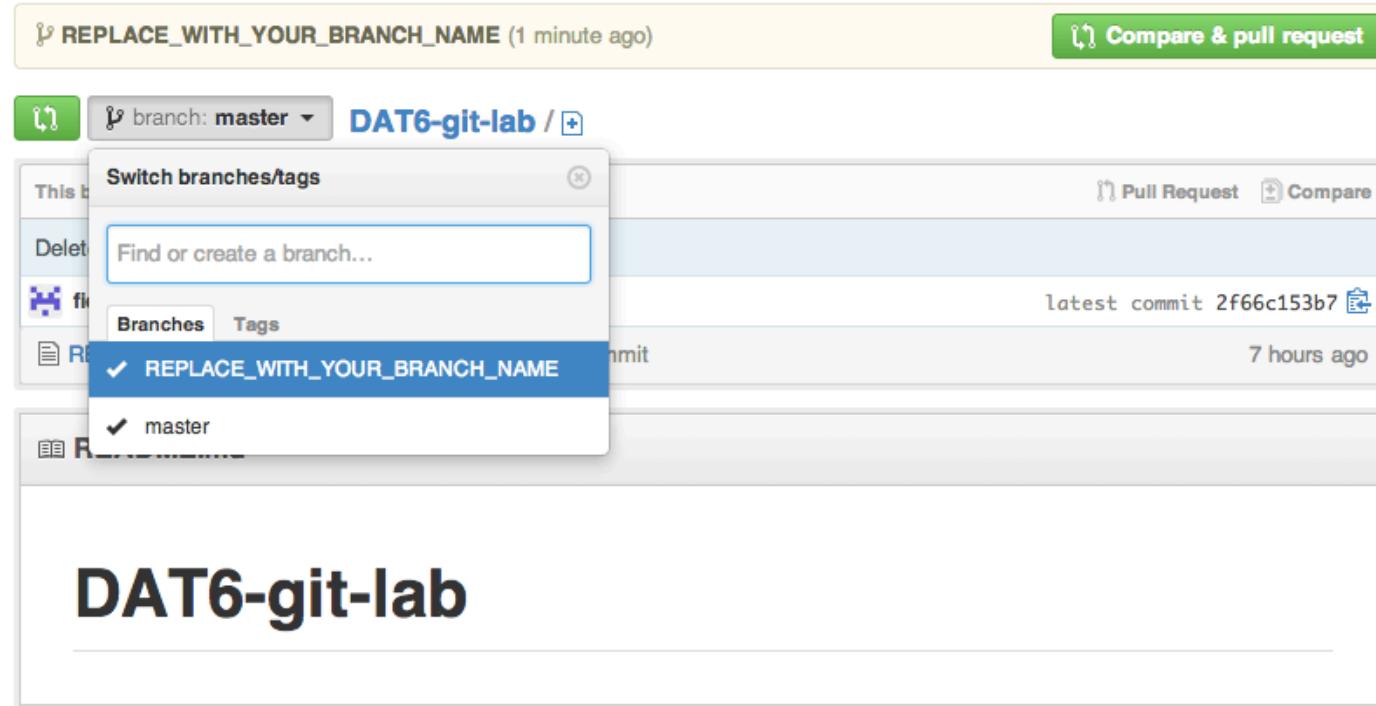
    this is a comment for the commit
< .... >
```

```
$ git push origin REPLACE_WITH_YOUR_BRANCH_NAME
Counting objects: 4, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 314 bytes, done.
Total 3 (delta 0), reused 0 (delta 0)
To git@github.com:socialevils/DAT6-git-lab.git
 * [new branch]      REPLACE_WITH_YOUR_BRANCH_NAME ->
REPLACE_WITH_YOUR_BRANCH_NAME
$
```

GIT PUSH

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Your recently pushed branches:



The screenshot shows a Git commit history interface. At the top, a green button labeled "Compare & pull request" is visible. Below it, a branch selection dropdown shows "branch: master". A modal dialog box titled "Switch branches/tags" is open, containing a search bar with "Find or create a branch..." and tabs for "Branches" and "Tags". The "Branches" tab is selected, showing two branches: "REPLACE_WITH_YOUR_BRANCH_NAME" (selected) and "master". The main commit list shows a single commit: "latest commit 2f66c153b7" with a "Compare" link, pushed "7 hours ago". The title of the commit is partially visible as "commit".

```
$ vi REPLACE_WITH_ANOTHER_NAME
$ git diff
diff --git a/REPLACE_WITH_ANOTHER_NAME b/REPLACE_WITH_ANOTHER_NAME
index 7b33a4a..a2d6756 100644
--- new stuff
+++ these is a test
@@ - new of some changes
+
+these is a test
+of some changes
$ git add REPLACE_WITH_ANOTHER_NAME
$ git commit -m "more text"
```

```
$ git push origin

<there will be an warning here about git config>

Counting objects: 5, done.
Delta compression using up to 8 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 292 bytes, done.
Total 3 (delta 1), reused 0 (delta 0)
To git@github.com:socialevilis/DAT6-git-lab.git
  15eba2b..af38f37  REPLACE_WITH_YOUR_BRANCH_NAME ->
REPLACE_WITH_YOUR_BRANCH_NAME
```

```
$ git checkout master
$ git remote add fidsteve https://github.com/fidsteve/DAT6-git-lab
$ git pull fidsteve master
From https://github.com/fidsteve/DAT6-git-lab
 * branch           master      -> FETCH_HEAD
Updating 616e974..025b81a
Fast-forward
  OTHER_FILE | 0
  1 file changed, 0 insertions(+), 0 deletions(-)
  create mode 100644 OTHER_FILE
$ ls
OTHER_FILE README.md  first_file
$ git checkout REPLACE_WITH_ANOTHER_NAME
Switched to branch 'REPLACE_WITH_ANOTHER_NAME'
$ ls
README.md  first_file
```

```
$ git merge master
Updating 616e974..025b81a
Fast-forward
 OTHER_FILE | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 OTHER_FILE
$ ls
OTHER_FILE README.md  first_file
```

```
$ git checkout REPLACE_WITH_YOUR_BRANCH_NAME
$ echo "a great idea" > REPLACE_WITH_ANOTHER_NAME
$ git add REPLACE_WITH_ANOTHER_NAME
$ git commit -m "this was worth a try"
[REPLACE_WITH_YOUR_BRANCH_NAME 89d84a4] this was worth a try
 1 file changed, 1 insertion(+), 4 deletions(-)
$ cat REPLACE_WITH_ANOTHER_NAME
a great idea
```

```
$ git revert -m 1
commit (revert of 1c5fcfaa... 1c5fcfaa)
  Revert "this was worth a try"
Author: ...
Date:  ...
This reverts commit 1c5fcfaa... 1c5fcfaa.

  # Please enter the commit message for your changes. Lines starting
  # with '#' will be ignored, and an empty message aborts the
  # commit.
  # On branch REPLACE_WITH_YOUR_BRANCH_NAME
  # Changes to be committed:
  #   (use "git reset HEAD <file>..." to unstage)
  #
  $ git revert -m 1
  #,....modified:    REPLACE_WITH_ANOTHER_NAME
  [REPO] #,....modified:    REPLACE_WITH_ANOTHER_NAME
try"
  1 file changed, 1 insertion(+), 1 deletion(-)
$ cat REPLACE_WITH_ANOTHER_NAME
new stuff
```

...nothing to see here.

...go back.