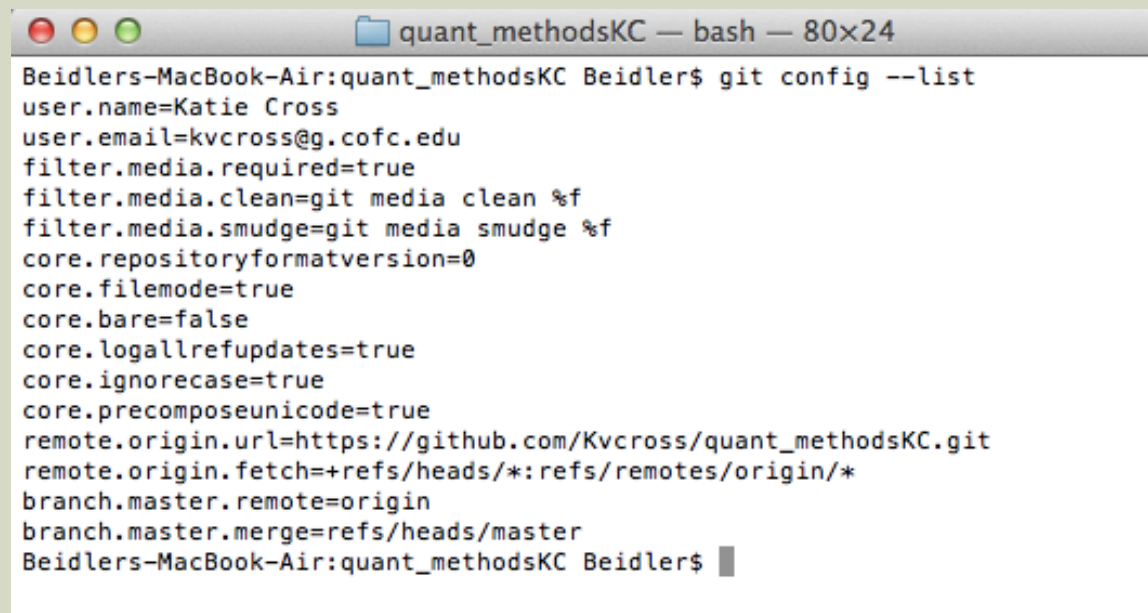


# HOW TO GET GIT

# WHAT TO DO AFTER YOU DOWNLOAD GIT

- Launch Terminal in Mac and type Git or go to command line in Windows (Start > Run > cmd)
- To make sure git is configured with your username/ email
- Type in: `git config --list`
- This is what you should see: (but with your username/ email)

A screenshot of a macOS Terminal window. The title bar shows three colored window control buttons (red, yellow, green) on the left, followed by a folder icon and the text 'quant\_methodsKC — bash — 80x24'. The terminal content shows the command 'git config --list' being executed, followed by a list of configuration variables and their values. The prompt 'Beidlers-MacBook-Air:quant\_methodsKC Beidler\$' is visible at the end of each line.

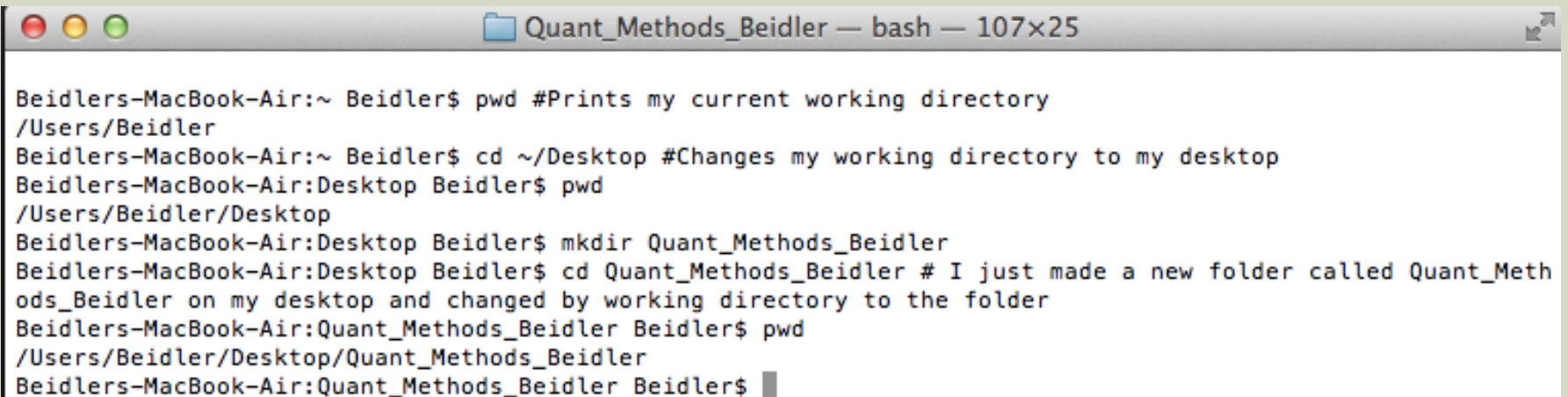
```
Beidlers-MacBook-Air:quant_methodsKC Beidler$ git config --list
user.name=Katie Cross
user.email=kvcross@g.cofc.edu
filter.media.required=true
filter.media.clean=git media clean %f
filter.media.smudge=git media smudge %f
core.repositoryformatversion=0
core.filemode=true
core.bare=false
core.logallrefupdates=true
core.ignorecase=true
core.precomposeunicode=true
remote.origin.url=https://github.com/Kvcross/quant_methodsKC.git
remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
branch.master.remote=origin
branch.master.merge=refs/heads/master
Beidlers-MacBook-Air:quant_methodsKC Beidler$
```

# IF YOU NEED TO CONFIGURE YOUR USERNAME...

- Type the following lines into terminal
- `git config --global user.name jdoe`
- `git config --global user.email johndoe@example.com`
- `git config -list`
- "This is important because every Git commit uses this information, and it's immutably baked into the commits you pass around."

# SETTING UP A REPOSITORY

## ■ Create a Directory for Your Work



A terminal window titled "Quant\_Methods\_Beidler — bash — 107x25" is shown. The terminal displays the following commands and their outputs:

```
Beidlers-MacBook-Air:~ Beidler$ pwd #Prints my current working directory
/Users/Beidler
Beidlers-MacBook-Air:~ Beidler$ cd ~/Desktop #Changes my working directory to my desktop
Beidlers-MacBook-Air:Desktop Beidler$ pwd
/Users/Beidler/Desktop
Beidlers-MacBook-Air:Desktop Beidler$ mkdir Quant_Methods_Beidler
Beidlers-MacBook-Air:Desktop Beidler$ cd Quant_Methods_Beidler # I just made a new folder called Quant_Meth
ods_Beidler on my desktop and changed by working directory to the folder
Beidlers-MacBook-Air:Quant_Methods_Beidler Beidler$ pwd
/Users/Beidler/Desktop/Quant_Methods_Beidler
Beidlers-MacBook-Air:Quant_Methods_Beidler Beidler$
```

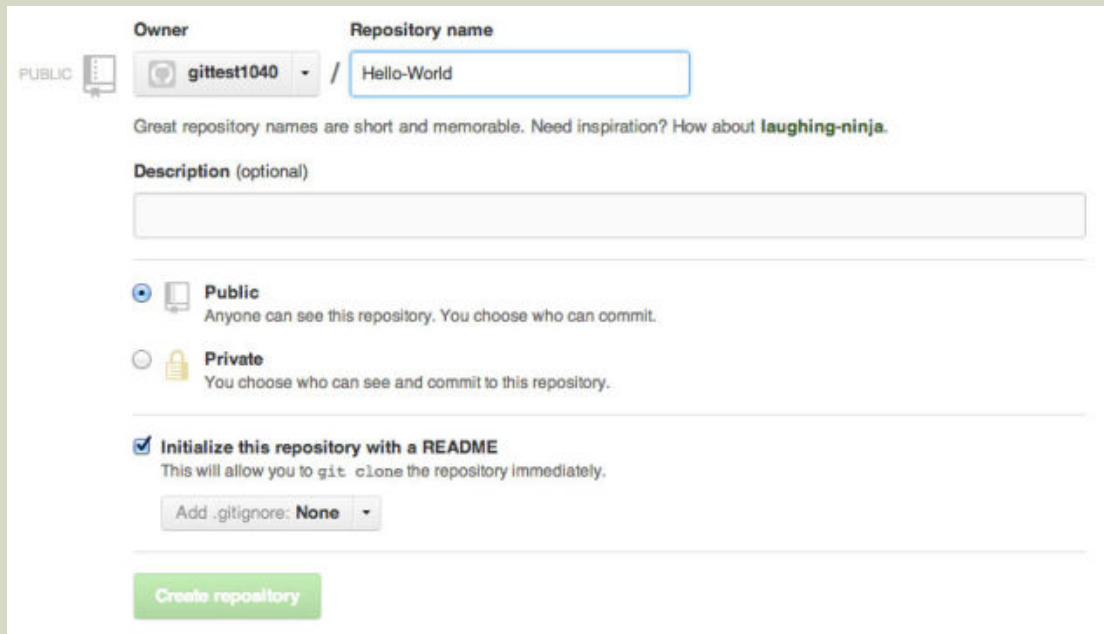
### Git commands used:

**pwd** - prints your working directory

**mkdir** – makes a new directory

**cd** -changed your working directory (~ symbolizes your home directory)

- To Create a New Repository:
  - Type in `git init` to make a new Git repository
  - Put any Quantitative Methods files into the new directory/ repo
  - Log into GitHub and make a new repository using the name of the directory you just made on your computer
  - Check the box: initialize this repository with a README
    - This will put an empty README file in your brand new repository



Owner: gittest1040 / Repository name: Hello-World

Great repository names are short and memorable. Need inspiration? How about [laughing-ninja](#).

Description (optional)

☒ Public  
Anyone can see this repository. You choose who can commit.

☐ Private  
You choose who can see and commit to this repository.

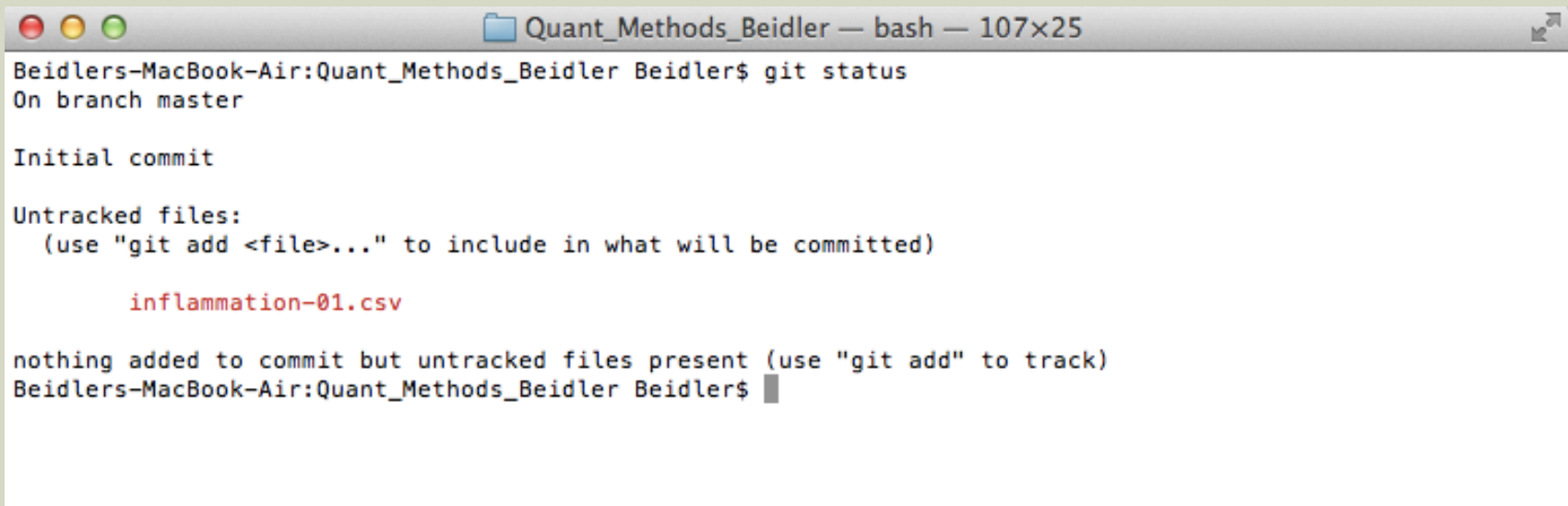
☒ Initialize this repository with a README  
This will allow you to `git clone` the repository immediately.

Add .gitignore: **None**

Create repository

# ADDING FILES TO YOUR LOCAL GIT REPO

- `git status` will list the untracked files in your repo

A screenshot of a macOS terminal window titled 'Quant\_Methods\_Beidler — bash — 107x25'. The terminal shows the output of the 'git status' command. It indicates an initial commit on the master branch and lists 'inflammation-01.csv' as an untracked file. A message at the bottom states 'nothing added to commit but untracked files present (use "git add" to track)'.

```
Beidlers-MacBook-Air:Quant_Methods_Beidler Beidler$ git status
On branch master

Initial commit

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

        inflammation-01.csv

nothing added to commit but untracked files present (use "git add" to track)
Beidlers-MacBook-Air:Quant_Methods_Beidler Beidler$
```

Now to add the untracked file(s)

`git add <file name>`

Now to commit the addition- otherwise the file is left in the staging phase

`git commit -m` “data set for patients and responses used in assignment one”

-m stands for message: attach a short explanation of the file

```
Quant_Methods_Beidler — bash — 121x26

Beidlers-MacBook-Air:Quant_Methods_Beidler Beidler$ git status
On branch master

Initial commit

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

    inflammation-01.csv

nothing added to commit but untracked files present (use "git add" to track)
Beidlers-MacBook-Air:Quant_Methods_Beidler Beidler$ git add inflammation-01.csv
Beidlers-MacBook-Air:Quant_Methods_Beidler Beidler$ git commit -m "data set for patients and responses used in assignment one"
[master (root-commit) b749485] data set for patients and responses used in assignment one
 1 file changed, 1 insertion(+)
 create mode 100644 inflammation-01.csv
Beidlers-MacBook-Air:Quant_Methods_Beidler Beidler$ git status
On branch master
nothing to commit, working directory clean
Beidlers-MacBook-Air:Quant_Methods_Beidler Beidler$
```

Now to link up your local repository with your online repository

Use the command:

`git remote add origin https://github.com/kvcross/Quant\_Methods\_Beidler.git`

Now to push your committed file on to the online repository

`git push origin master`

The file should pop up in your online repo

# LINKING GIT WITH RSTUDIO

## Create an Rstudio Project

- To create a Project in the new directory you just created (Quant\_Methods\_Beidler) follow these steps:
- Click File > New Project
- Chose from "Existing Directory"
- Navigate to the correct directory and click on it.

## Configure Git within Rstudio

- You must tell Rstudio where to find Git on your system so that it can be integrated into your workflow. Follow these steps
- Click Tools > Global Options
- Click Git/SVN
- Find the box labeled "Git executable" and browse to the directory on your machine where this file is located. On my windows machine this is C:\Program Files (x86)\Git\bin