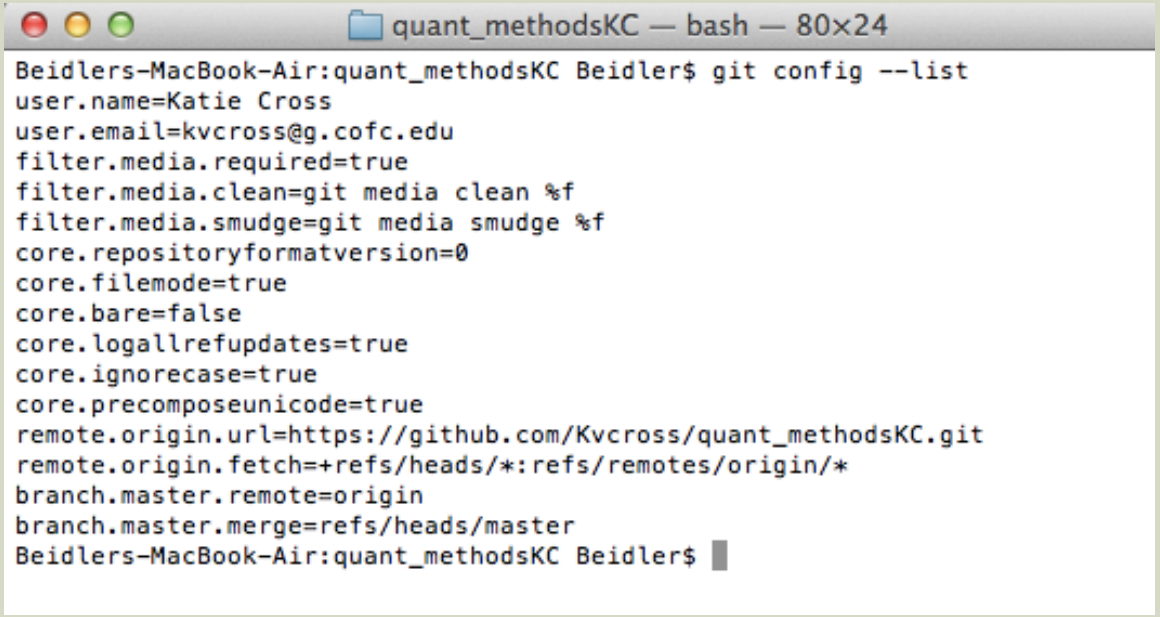
HOW TO GET GIT

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)

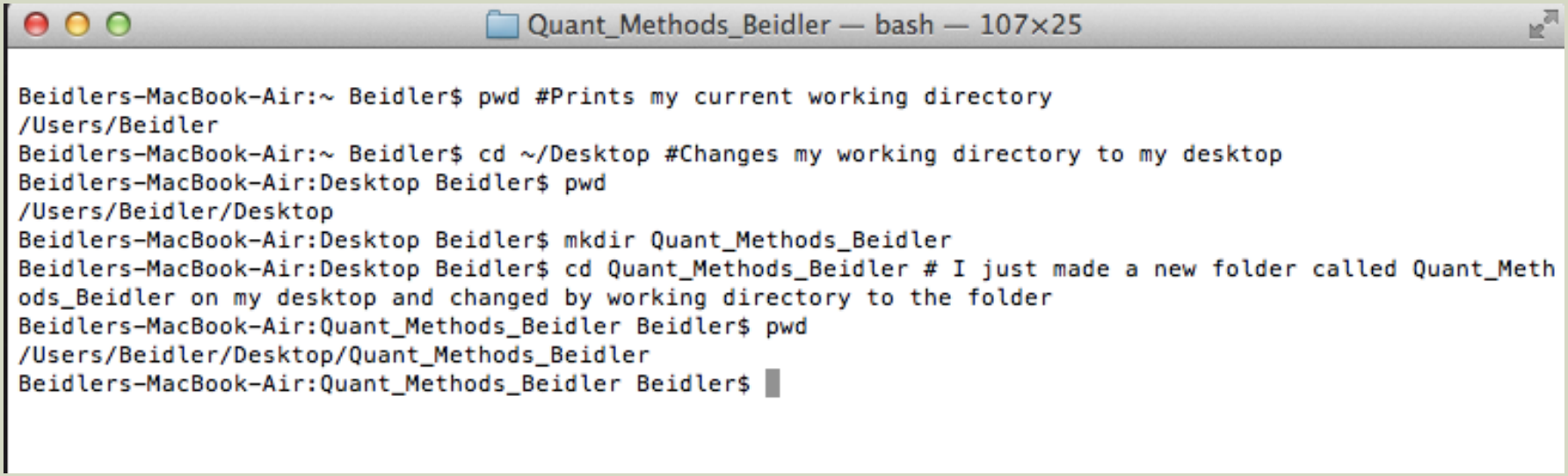


IF YOU NEED TO CONFIGURE YOUR USERNAME…

- 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



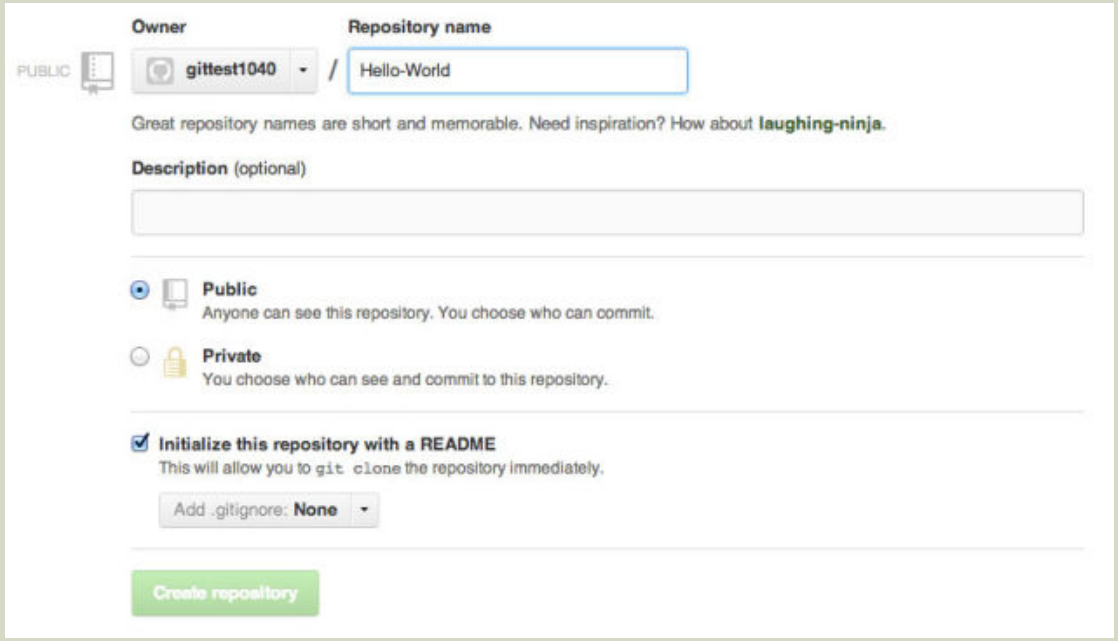
Git commands used:

`pwd` - prints your working directory

`mkdir` – makes a new directory

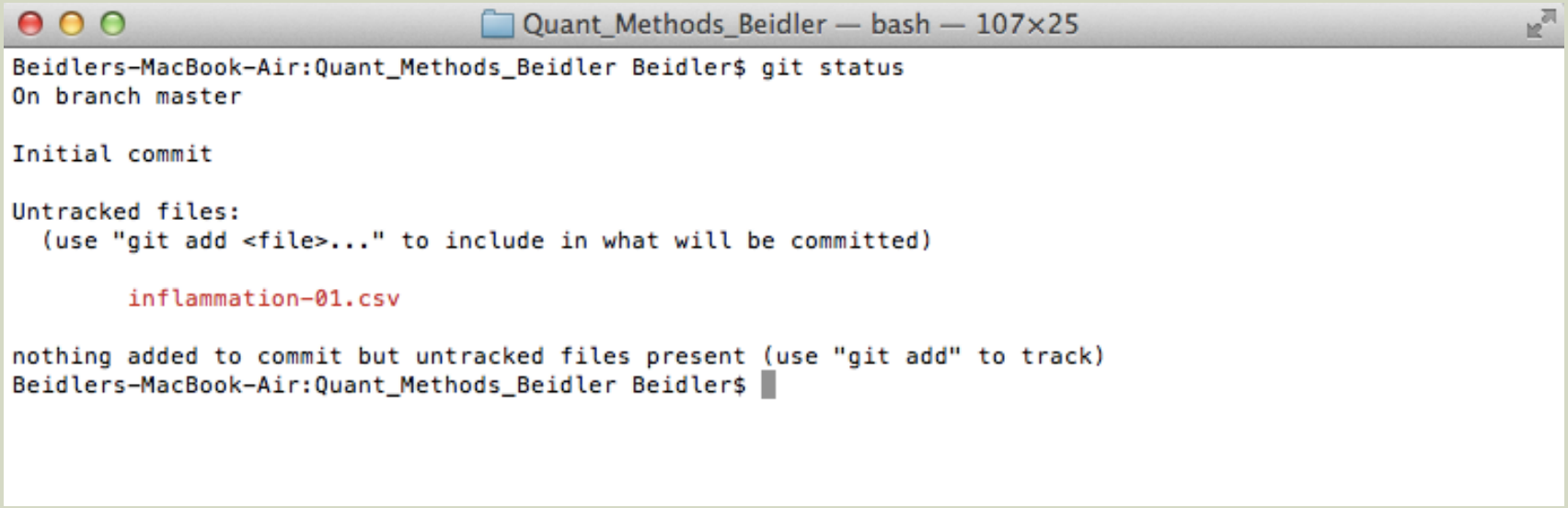
`cd` -changed your working directory (~ symbolizes your home directory)

- 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



ADDING FILES TO YOUR LOCAL GIT REPO

- git status will list the untracked files in your repo



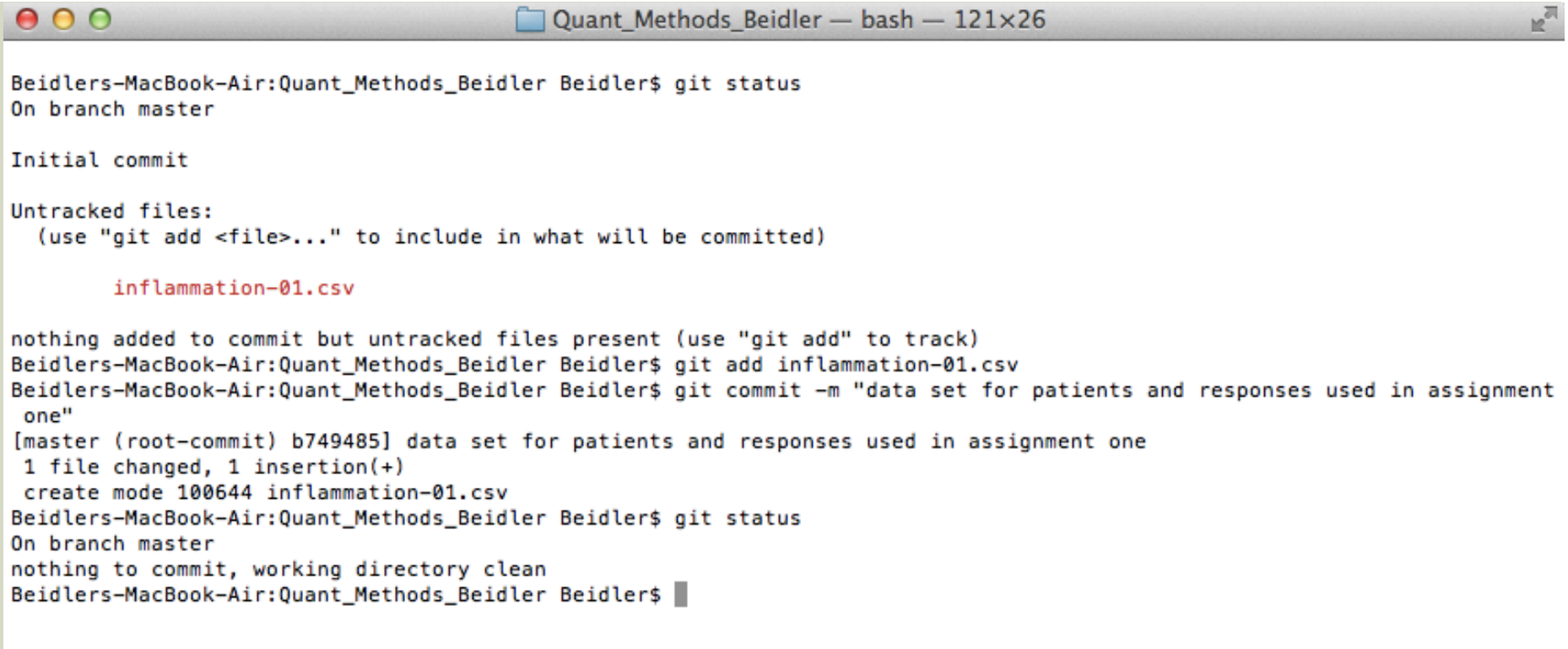
Now to add the untracked file(s)

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



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 labled "Git executabile" 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