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Professor Semiyari
Data 413
2 February 2025

<div align="center">Data 413: Git and Github Assignment</div>

Link to GitHub repository: https://github.com/FionaFawcett/Data-413

1. Create a GitHub repository, clone it to your local machine

```
 fionafawcett@Fionas-MacBook-Pro ~ % git clone git@github.com:FionaFawcett/Data-413.git
[Cloning into 'Data-413'...
 remote: Enumerating objects: 3, done.
 remote: Counting objects: 100% (3/3), done.
 remote: Compressing objects: 100% (2/2), done.
 remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
 Receiving objects: 100% (3/3), done.
 fionafawcett@Fionas-MacBook-Pro ~ % ls
 2022-2023 Student Aid Report Print _ FAFSA Application _ Federal Student Aid.pdf
[Applications
 Class1Notes.Rmd
 DYMO Connect
 Data 412 - R
 Data 413 - Data Science
 Data 415 - regression
 Data 425 - Python for data science
 Data-413
 Desktop
 Documents
 Downloads
 Lab2Matrixes.Rmd
 Lab2Matrixes.html
 Library
 Movies
 Music
 OneDrive - american.edu
 Pictures
 Public
 PycharmProject
 PycharmProjects
 STAT615Regressionnew (1).R
 Test
 copyfile.txt
 emptyfile.txt
 file1.txt
 temp_bash
 fionafawcett@Fionas-MacBook-Pro ~ %
```

2. Add a file

```
[fionafawcett@Fionas-MacBook-Pro ~ % cd 'Data-413'
[fionafawcett@Fionas-MacBook-Pro Data-413 % ls
 README.md
[fionafawcett@Fionas-MacBook-Pro Data-413 % echo "hello Professor!!" > Homework2
 echo "hello Professorls" > Homework2
[fionafawcett@Fionas-MacBook-Pro Data-413 % ls
 Homework2        README.md
```

3. Stage and commit changes

```
[fionafawcett@Fionas-MacBook-Pro Data-413 % echo "hello Professor!!" > Homework2
 echo "hello Professorls" > Homework2
[fionafawcett@Fionas-MacBook-Pro Data-413 % ls
 Homework2      README.md
[fionafawcett@Fionas-MacBook-Pro Data-413 % git add Homework2
[fionafawcett@Fionas-MacBook-Pro Data-413 % git status
 On branch main
 Your branch is up to date with 'origin/main'.

 Changes to be committed:
   (use "git restore --staged <file>..." to unstage)
         new file:   Homework2

[fionafawcett@Fionas-MacBook-Pro Data-413 % git commit -m "I am adding text"
 [main 60aa3c0] I am adding text
  Committer: Fiona Fawcett <fionafawcett@Fionas-MacBook-Pro.local>
 Your name and email address were configured automatically based
 on your username and hostname. Please check that they are accurate.
 You can suppress this message by setting them explicitly:

     git config --global user.name "Your Name"
     git config --global user.email you@example.com

 After doing this, you may fix the identity used for this commit with:

     git commit --amend --reset-author

 1 file changed, 1 insertion(+)
  create mode 100644 Homework2
```

4. Push changes back to GitHub

```
[fionafawcett@Fionas-MacBook-Pro Data-413 % git push origin main
 Enumerating objects: 4, done.
 Counting objects: 100% (4/4), done.
 Delta compression using up to 8 threads
 Compressing objects: 100% (2/2), done.
 Writing objects: 100% (3/3), 316 bytes | 316.00 KiB/s, done.
 Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
 To github.com:FionaFawcett/Data-413.git
    1aeb8f9..60aa3c0  main -> main
 fionafawcett@Fionas-MacBook-Pro Data-413 %
```