General Assembly notes

09.20.16

0. Make sure you can do the python exercises. Make sure you can do the basic and mid level python exercises fairly quickly

I. data science intro

examples of data science projects:

-facebook facial recognition

- netflix/amazon.spotify recommendations

- neural style

- etc

Data scientist attributes to help with success

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II. Data science workflow

III. Course project

Lecture # 2

09.22.16

Not autosaved by atom -\_-

Think SMART

Lecture #3

09.27.16

Notes for myself, how do you change the directory that a

1. Pandas core command

df.xyz 🡪 this type of command structure is an attribute #example df.index

df.abc() 🡪 this type of command structure is a method #example df.tail()

1. Statistic refresher
   1. Mean, median, and mode
2. Basic stats
3. Correlation
4. Visualization and correlation w/ pandas codealong

Lecture #4 – Command Line and Version Control (gitbash and github)

Command line:

Order is command –options argument

Ex: ls –l (-l means longer list)

* Git & Github
  + If you make a directory in Github with README.md (markdown language) Github will display that page.
  + SHARING - an image or file from Github you must hit ‘download’ or ‘raw’ makes sure the URL includes the word ‘raw’.
  + When creating a repository – Click the ‘initialize this repository with a README’ so you have a directory?? – not sure that’s why but I think that’s close
  + GitHub workflow diagram
    - Clone 🡪 clones github repository on your machine
    - ‘Push’ from computer to github and ‘pull’ github to computer syncs the repository
    - Push or Pull you must be in the .git directory?
      * Red – means local copy is different only
      * Green – means local copy is staged to push to github
  + Some common commands
    - Mkdir – make a new directory
    - Touch – make a new file
    - Pwd – prints working directory
    - Git status – shows what files to push/pull
    - Cd – change directory
    - Ls or dir – lists the directory ‘-l’ long ‘-a’ will show everything
    - Push commands:
      * git add –A 🡪stages files
      * git commit –m “note attached to commit” 🡪 commits file to local repository (NOTE: if you miss the –m you end up in VI….you’ll have to look up how to get out)
      * git push origin master 🡪 pushes file to github
* Markdown Language
  + Easy-to-read, east-to-write markup language
  + Usually rendered as html (always?)
  + Common commands
    - ## Header size 2
    - \*italics\* and \*\*bold\*\*
    - [link to GitHub](<https://github.com>)
    - \* bullet
    - ‘inline code’ and ‘’’code blocks’’’
    - Valid HTML can also be used in markdown
      * Ex: <br></br> to add a line break
* Things you should be able to do at the end of this class
  + Clone a github repository to your laptop
  + Sync your local files to your github repository
  + Use more advanced command line
* Intermediate command line