Lecture 5: more pandas with pop music

LING 1340/2340: Data Science for Linguists

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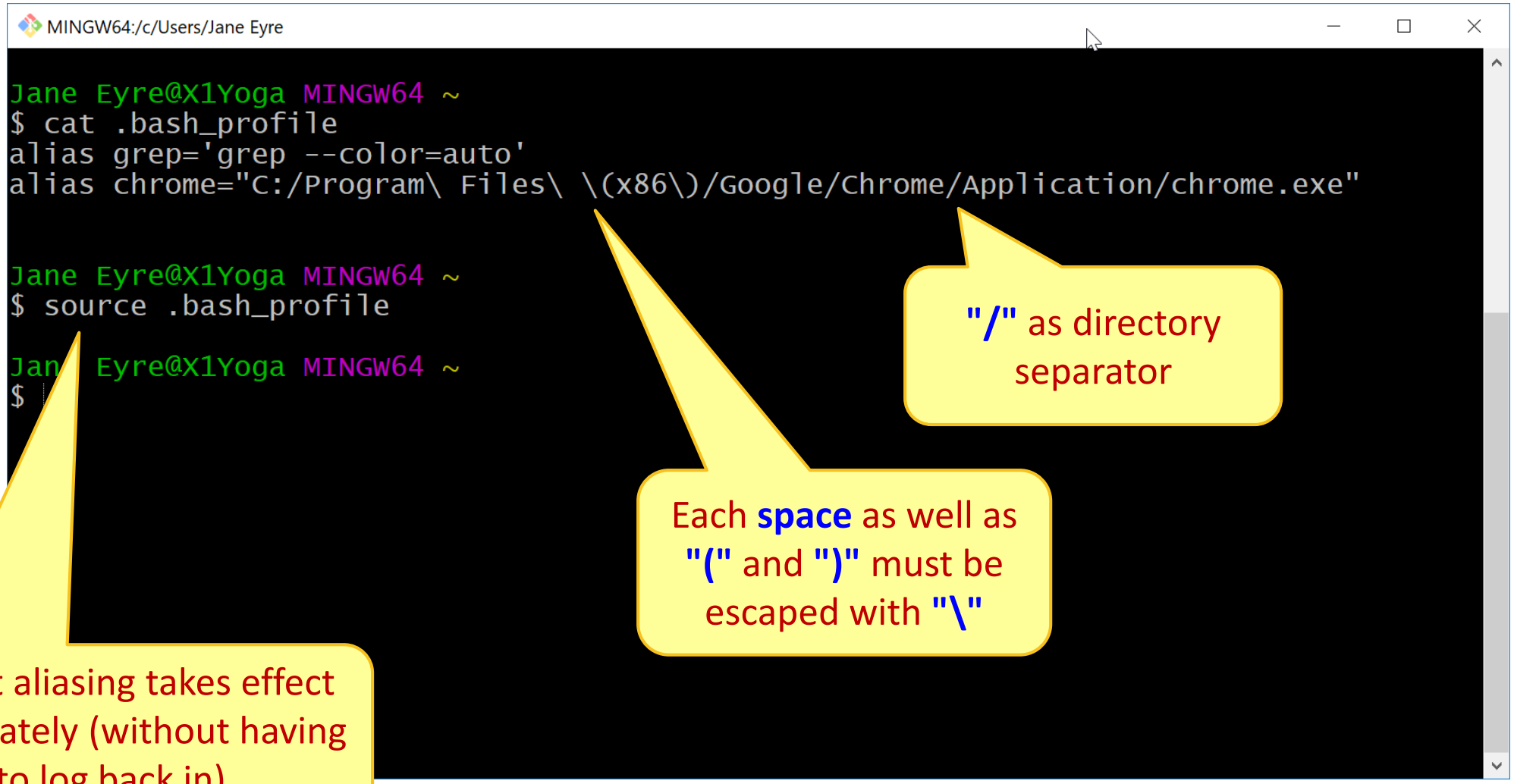
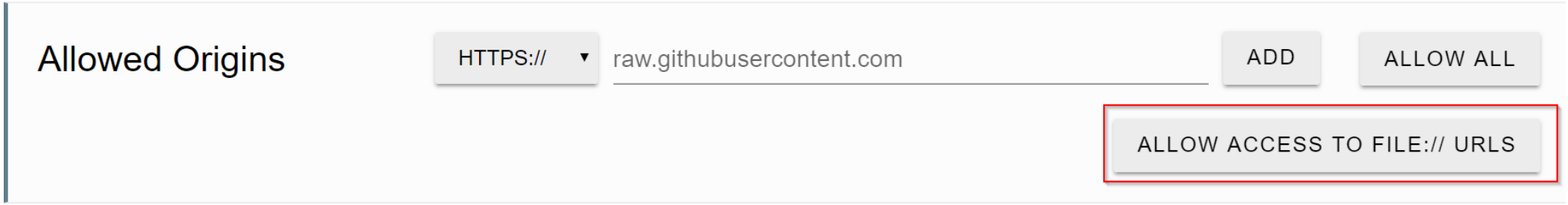
Markdown files (.md)

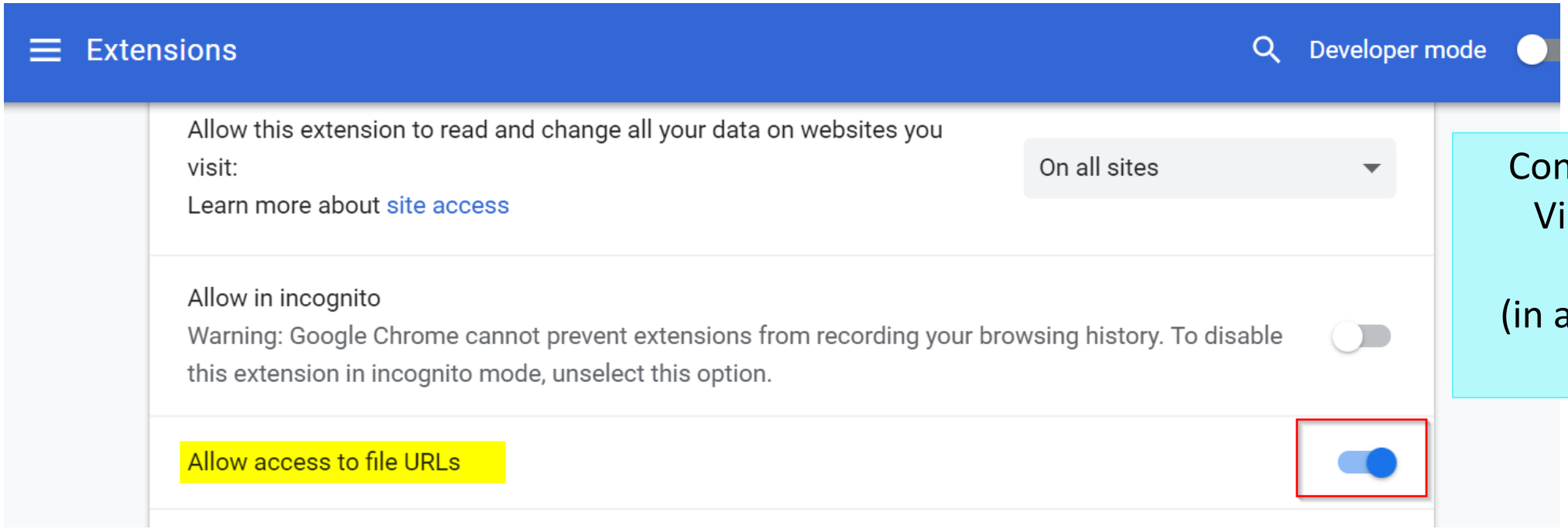
- **Atom** editor has a built-in markdown viewer window
  - Edit windows and Markdown window side-by-side!
- If using other text editor:
  - install **"Markdown viewer" extension** on Chrome (link on Learning Resources page)
- Launch apps directly from command line!
  - Configure your Bash shell so you can launch your apps from command line
    - In your home directory, open `.bash_profile` in a text editor (`nano` works)
    - Find the full path for your text editor, chrome, etc.
    - Add this line: `alias chrome="path/to/file"`
    - Save file. Back in command line, execute: `source .bash_profile`
  - **Mac OS users** can use the built-in `open` command:
    - http://osxdaily.com/2007/02/01/how-to-launch-gui-applications-from-the-terminal/

No space around **=** !!

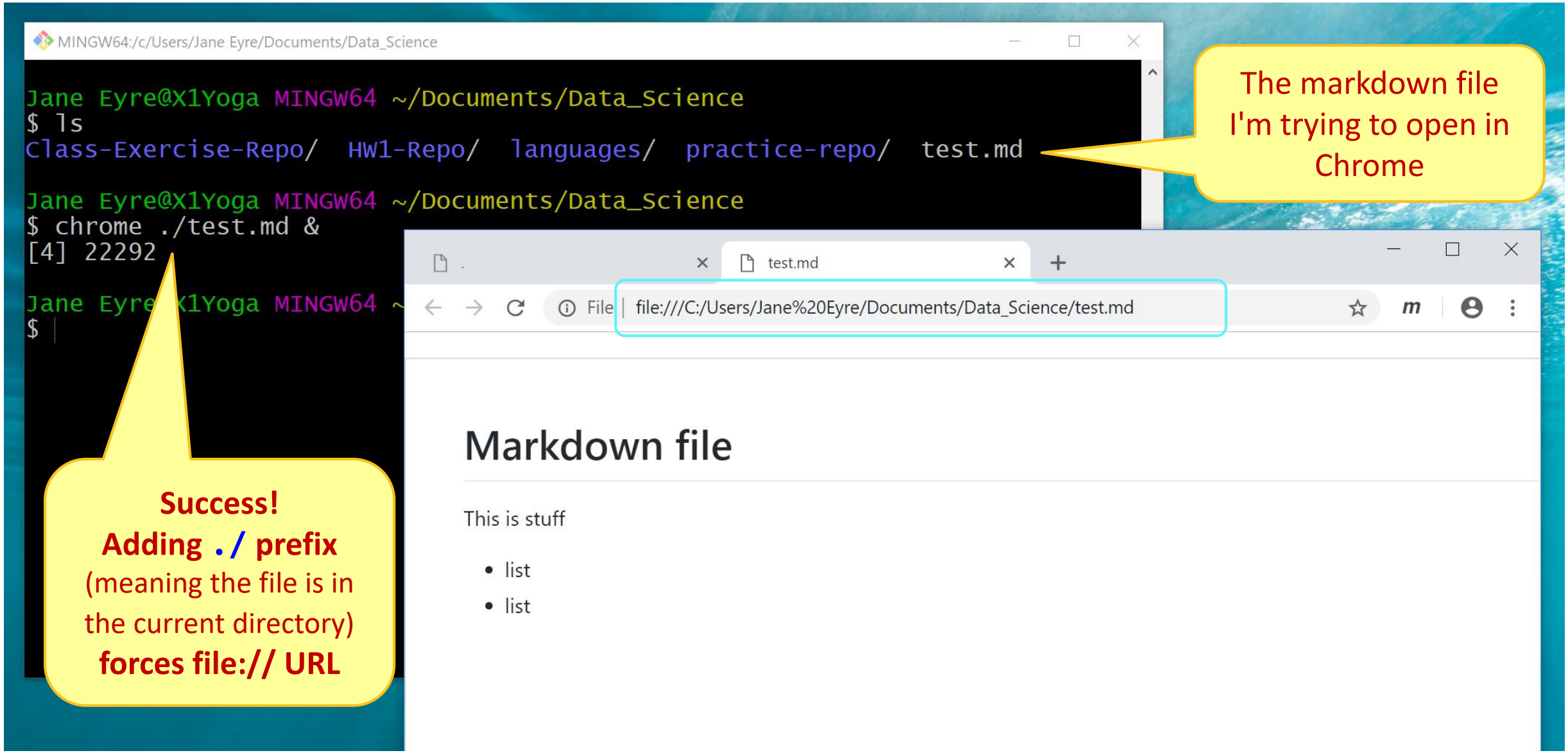
Adding alias to your Bash shell

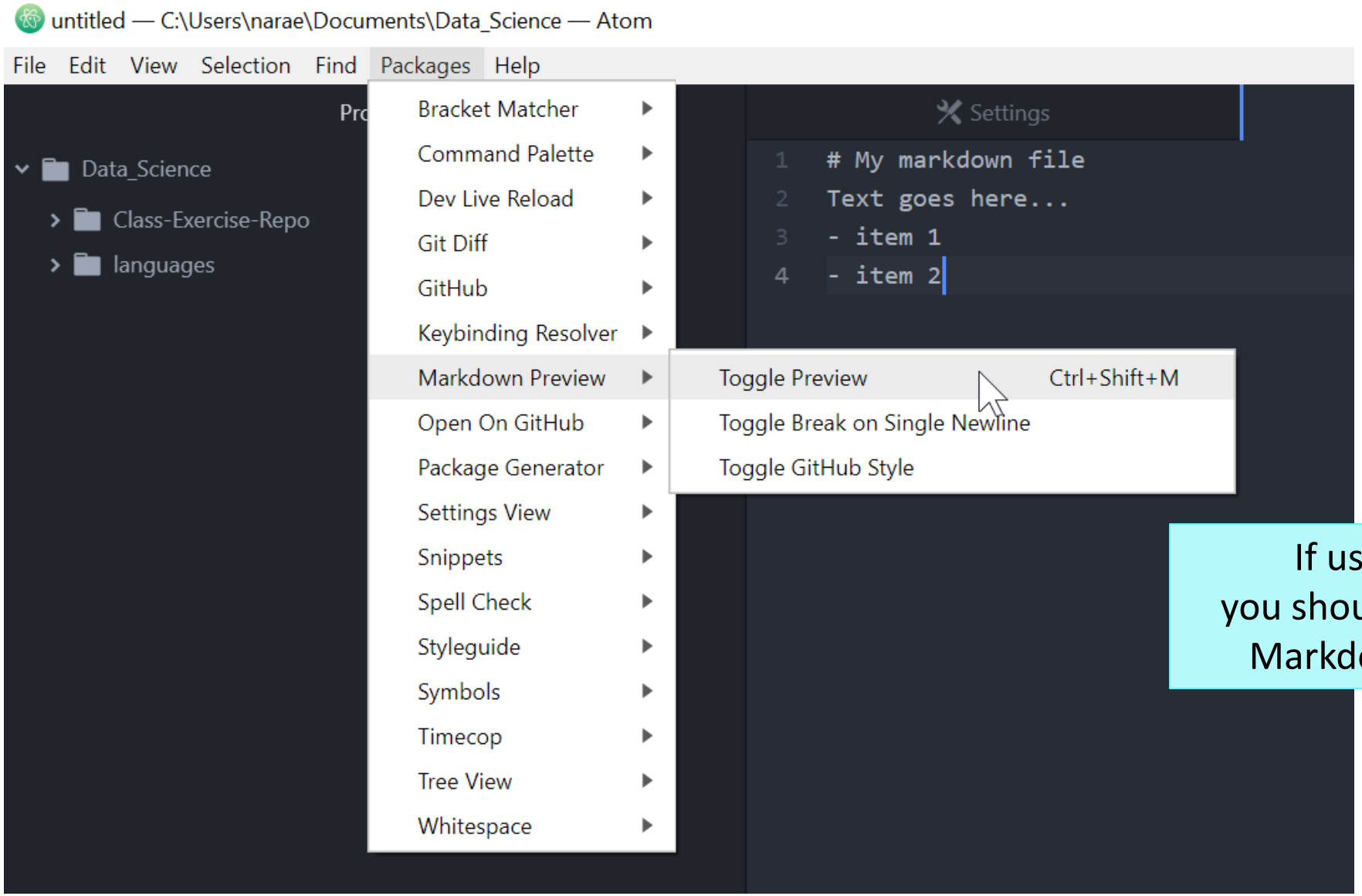




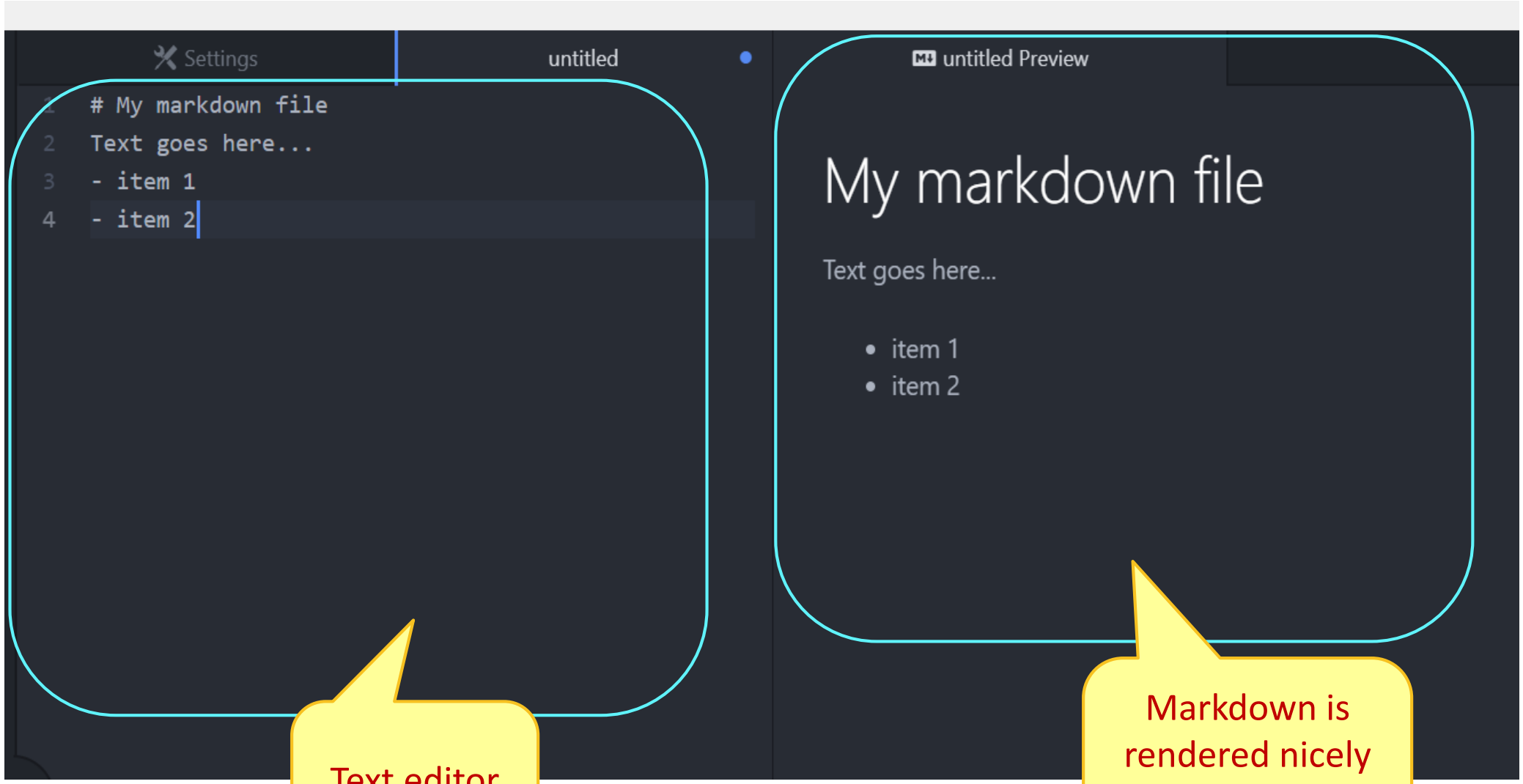


Configuring Markdown Viewer extension to allow **file URLs** (in addition to the usual https:// etc.)


MINGW64:/c/Users/Jane Eyre/Documents/Data_Science
Jane Eyre@X1Yoga MINGW64 ~/Documents/Data_Science
$ ls
Class-Exercise-Repo/ HW1-Repo/ languages/ practice-repo/ test.md
Jane Eyre@X1Yoga MINGW64 ~/Documents/Data_Science
$ chrome ./test.md &
[4] 22292
Jane Eyre X1Yoga MINGW64 ~
$
The markdown file I'm trying to open in Chrome
Success!
Adding ./ prefix
(meaning the file is in the current directory)
forces file:// URL
test.md
File | file:///C:/Users/Jane%20Eyre/Documents/Data_Science/test.md
Markdown file
This is stuff
list
list

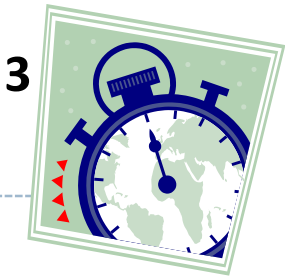


If using **Atom**,
you should first enable
Markdown preview


Settings
untitled
My markdown file
Text goes here...
- item 1
- item 2
untitled Preview
My markdown file
Text goes here...
item 1
item 2
Text editor window
Markdown is rendered nicely in the preview window

pandas practice

Activity 3
50 mins



- 50 Years of Pop Music
  - https://www.kaylinpavlik.com/50-years-of-pop-music/
  - You tried out the CSV file 'billboard_lyrics_1964-2015.csv'

- Let's continue with this!

- In Class-Exercise-Repo, `activity2/` folder:
  - The CSV data file is already in the directory.
  - You will find `pop_music_BLANK.ipynb`
  - ← Copy it as `pop_music_YOURNAME.ipynb` and work on it.
  - ← You are welcome to commit your version.

```
cp file1 file2
```
makes a copy of file1 as file2.

Homework 2: Process ETS Corpus

- https://naraehan.github.io/Data-Science-for-Linguists-2019/hw2
- Corpus distributed via a private GitHub repo "Licensed-Data-Sets"
  - https://github.com/Data-Science-for-Linguists-2019
  - Clone directly to your laptop: no need to fork (why?)

Wrapping up

- Project ideas due next Tuesday.

- HW2: Process ETS Corpus
  - Due Thursday.
  - This one is much bigger than HW1. Get started!