Readings

1. **Web Scraping 1.0**
    a. https://www.dataquest.io/blog/web-scraping-tutorial-python/
    b. Why / Use
        i. In this tutorial, we'll show you how to perform web scraping using Python 3 and the BeautifulSoup library. The aim of this is to provide you with a super basic structure before scraping data from Twitter. It's generalizable knowledge that will ensure we all start from the same basic level.

2. **Readings**
    a. Mandatory
        i. Hollander, J. B., Graves, E., Renski, H., Foster-Karim, C., Wiley, A., & Das, D. (2016). Taking Microblogging Data for a Test Drive. In J. B. Hollander, E. Graves, H. Renski, C. Foster-Karim, A. Wiley, & D. Das (Eds.), Urban Social Listening: Potential and Pitfalls for Using Microblogging Data in Studying Cities (pp. 27–33). London: Palgrave Macmillan UK. https://doi.org/10.1057/978-1-137-59491-4_3
            1. Taking Microblogging Data for a Test Drive.
            2. Why / Use: An account of an attempt to analyze Twitter data. (How the data sources were created, what were the tradeoffs?) Read to understand the thesis, methods, and possible expansions of their project.
        ii. Joyce, G. (2018, February 8). An Exploration of Online Vegan Communities and Conversations. Retrieved from https://www.brandwatch.com/blog/react-online-vegan-communities/
            1. https://www.brandwatch.com/blog/react-online-vegan-communities/
            2. Why / Use: This short article shows some basic insights into the online vegan community. It provides one example of heavily used words online to help understand a community.
    b. Case Study (split evenly amongst all students)
        i. **STUDENTS: JIAHER, COLETTE, NAM** Sakaki, T., Okazaki, M., & Matsuo, Y. (2010). Earthquake shakes Twitter users. Proceedings of the 19th International Conference on World Wide Web - WWW 10. doi:10.1145/1772690.1772777
            1. Earthquake Shakes Twitter Users: Real-Time Event Detection by Social Sensors
            2. Why / Use: Read to understand the thesis, methods, and possible expansions of their project.
            3. DO NOT: Focus on the tables, the specifics of the algorithms, or math/equations.

ii. **Students: RORY, TOMER** Wessel, G., Ziemkiewicz, C., & Sauda, E. (2016). Revaluating urban space through tweets: An analysis of Twitter-based mobile food vendors and online communication. New Media & Society,18(8), 1636-1656. doi:10.1177/1461444814567987
    1. Revaluating urban space through tweets: An analysis of Twitter-based mobile food vendors and online communication.
    2. Why / Use: Read to understand the thesis, data collection methods, and possible expansions of their project.
    3. DO NOT: Focus on the methods used to analyze their data. (i.e. k-clustering)

iii. **Students: XIAOFAN, OMER** Roberts, H., Sadler, J., & Chapman, L. (2018). The value of Twitter data for determining the emotional responses of people to urban green spaces: A case study and critical evaluation. Urban Studies, 004209801774854. doi:10.1177/0042098017748544
    1. The value of Twitter data for determining the emotional responses of people to urban green spaces: A case study and critical evaluation
    2. Why / Use: Read to understand the thesis, methods, and possible expansions of their project.

Other // extra:

1. https://knightlab.northwestern.edu/2014/03/15/a-beginners-guide-to-collecting-twitter-data-and-a-bit-of-web-scraping/
2. http://okfnlabs.org/blog/2018/03/08/open-data-day-tweets.html
3. https://developer.twitter.com/en/docs/tutorials/tweet-geo-metadata.html

Study Guide

1. What are the main methods used in the mandatory and assigned case study?
2. What are the drawbacks of the methods used, and how could you extend their study to rectify the downfalls?
3. What is one example of how your case study is connected to something we've discussed in a previous class?

Pre-Class Work

1. In class, each student has 30 seconds to summarize their case study. Everyone will also be required to copy in a 2 sentence summary for a take-home table. Please be ready to do this when class begins. Important things to include: context, theories, terms.
2. Complete both tutorials and be prepared to paste in your outputs.