

MSiA 490 – Winter 2017

Homework # 3

DUE: 1/29/2017

Exercise 1 – Web API

Write a python program to do the following:

1. Get a one month of historical weather data (i.e. temperatures). In specific: one month of data for 5 distinct locations.
2. You can use any WEB service available for free (i.e. Open-Weather-Map, Google, or any other service you may like) make sure to get an API-KEY if required.
3. Build a data summary table that summaries max, min, and mean values of the temperature during that month for each location selected.
4. Plot a graph that shows your data for the selected locations (to be used as comparative tool, you can choose any graphical presentation as you like).

Exercise 2 – Web Scraping

Rewrite the scarping sample done in the class – jail house inmates – not to use **RegEx**, instead use **BeautifulSoup** library.

Extra points: Can you scrape all pages not the first page only ... (WEB CRWALER).
Currently the site has 5 pages assuming “Page Size = 50”