

Using infection_viz.py

Install Python 3

Mac OS

Install homebrew (<https://brew.sh>)

Install with command 'brew install python'

Install networkx and matplotlib

'pip3 install networkx'

'pip3 install matplotlib'

Run infection_viz.py with command 'python3 infection_viz.py in.txt'

in.txt must be formatted as such:

- Exactly 3 lines
- First line: lists names all cities. Each city is within single quotes and separated with commas. List starts with [and ends with]
 - ['city1', 'city2', 'city3']
- Second line: lists all edges. Each edge names two cities, separated by commas, within parens.
 - [('city1', 'city2'), ('city2', 'city3')]
- Third line: names all infected cities at a given timestep. Timestep 1 will have a list of cities, timestep 2 will have a list of cities, etc... Each of these lists are contained in a single list of lists.
 - [['city1'], ['city1', 'city2'], ['city1', 'city2', 'city3']]
- The program should generate an image of a graph. Close this image to generate the next image of the infection spreading.