

Mini Challenge 1: Traffic Activity

Authors

- Mudit Bhargava (mbhargava@umass.edu)
- Priyadarshi Rath (priyadarshir@umass.edu)

Bokeh Version - 0.12.7

Required Installations

- Edit Distance - <https://pypi.python.org/pypi/editdistance>
command: `pip install editdistance`

Command to run python file

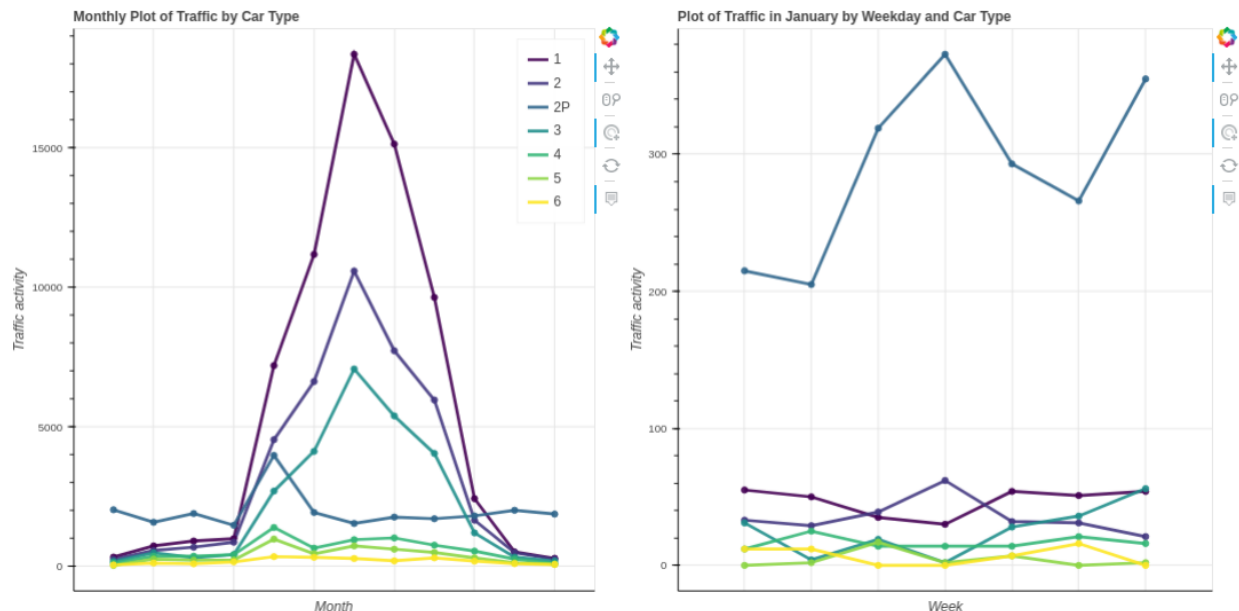
`bokeh serve --show MC1.py`

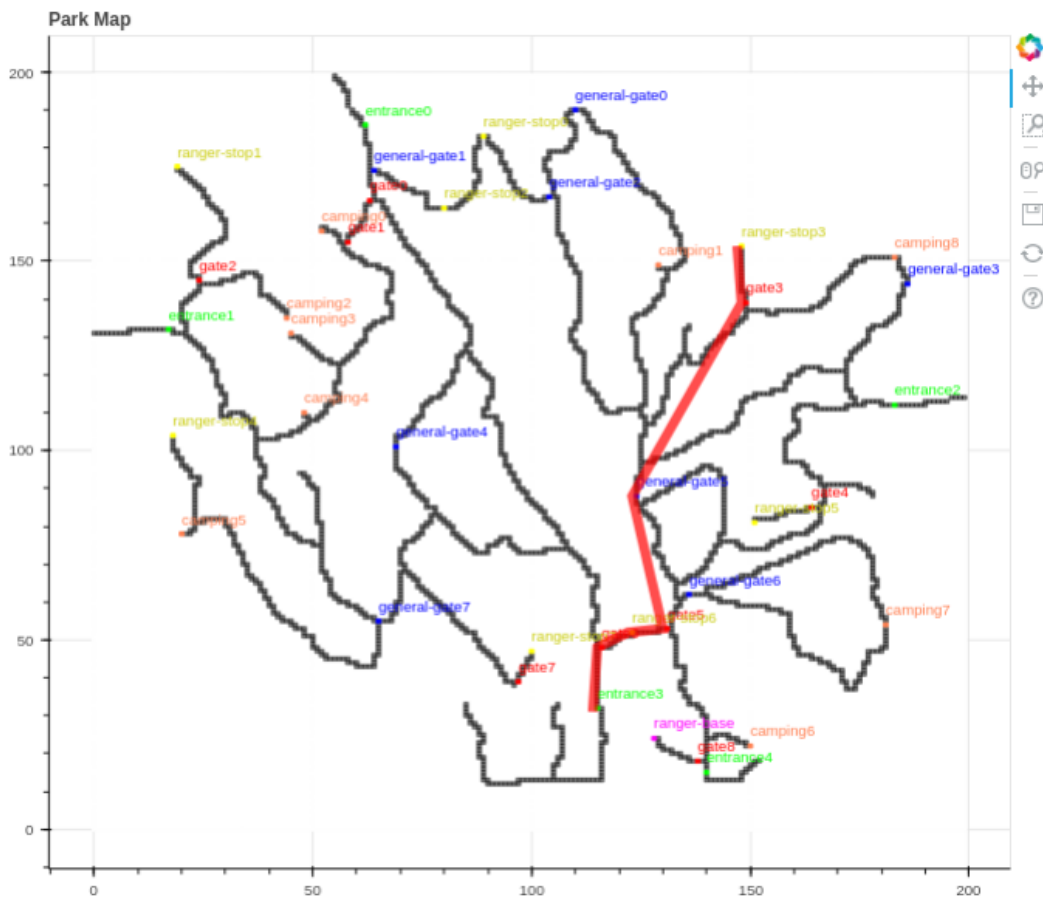
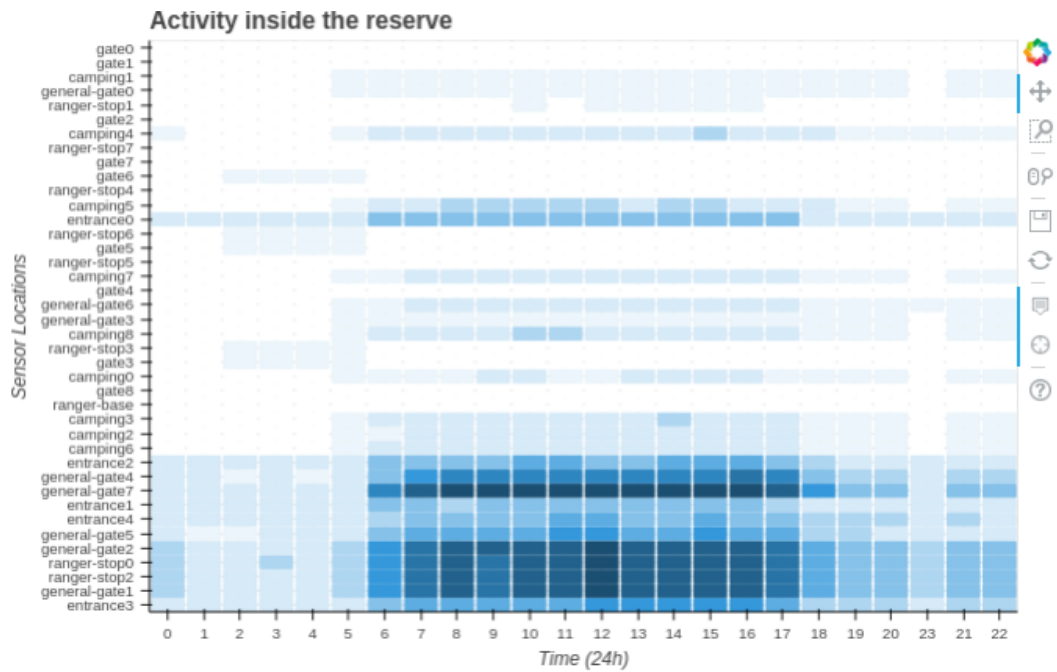
Startup Time - 35 seconds

To Note: A majority of the pre-processing code is written as functions but is not used when running the python files. This is because the pre-processing takes a very long time. Hence these are done once and stored as pickle files that are loaded when the python file is run. Below is a description of the pickle files being used

- *TopPatterns.pickle* - We perform clustering month wise and store the patterns obtained in this pickle file. For more details one can refer to *top3ClusterPaths()* function
- *sensor_locations.pickle* - This stores the mapping between the sensors and their actual x,y locations on the map.

Screenshots





Year of the month: 1

