**Project 3 – Traffic Patterns in 5 Boroughs**

Team – Alla, Ryan, Khalid, Jingyi

**Day 1** – Tue Nov 19

**Goals** –

* Settle the team
* Come up with the source data
* Discuss preliminary elements and assignments

**Take-aways** –

Ryan – revisit the data source; import data into jupyter; draft potential data summaries

Alla – investigate interactive bar-chart; identify needed data

Khalid – investigate calendar heatmap; identify needed data

Jingyi – investigate html/css needs for charts noted above

Links: <https://blog.risingstack.com/d3-js-tutorial-bar-charts-with-javascript/>

<https://blog.risingstack.com/tutorial-d3-js-calendar-heatmap/>

***Preliminary Expectations*** –

* Homepage – overall summary of the project; pick of the 5 boroughs; drop down menu and possibly icon links to visualization page and dataset page (kind of like we did for wk 12 hw – Jingyi this is just a suggestion, you are welcome to introduce your own template)
* Visualization page ( model after D3 hw) – data selection dropdown, resulting in interactive bar-chart and calendar heatmap. Suggested dropdown –
  + Home (5 Boroughs) – bar – borough vs total accidents; heat – borough vs. season
  + Individual borough – bar - street vs. accidents; heat – month vs. day of the week
  + Today – would be nice to pull API of the recent info – not sure if we are up for it
  + Other Considerations – 1) contributing factors; 2) peak hour; 3) type of vehicle; 4) type of injury; 5) weather;
* Data page – hold one or multiple data tables ( as we showed for wk 12 hw)

**Day 2** – Thur Nov 21

Goals –

* Update to the team on visualization charts
* Finalize data needed
* Start coding for the visualization chart and UI

**Day 3** – Sa Nov 23

Goals –

* Working draft of the visualization charts
* First draft of the web output
* Debugging

**Day 4** – Tue Nov 26

Goals –

* Finalize code
* Discuss presentation
* Draft of ppx

**Presentation** – Tue Dec 3rd.