10/1/14

TMC Code: 110+04127

Data Ingestion

* Metrorail (WMATA) – more granular
* Metrobus (WMATA)
* Bikeshare (Capital Bikeshare)
* Traffic over bridges
* Bridge volume data
* Traffic Incidents
* Weather data: snow, rain, sun – historical
* Capacity statistics

Theoretical/practical capacity for each feed: Rail – Bus – Auto – Bike

Time Range: 1yr – October 2013 – present (hour increments)

Selection Criteria –

Bridges:

* Key
* Memorial
* Roosevelt
* 14th St. Bridge

Data Wrangling

* Granularity/standardization
* Filtering of the desired data

Step 1: Proof the tools

* Traffic should increase in rush hour
* Traffic should increase during accidents
* Relation of bikeshare work
* Relation of metro ridership to above

Sources:

* RITIS
* Capacity: Num. of people in city
* Daytime – commute-adjusted population
* Nighttime – regular census published population