

## Sprint6-Artifact

### How to support incremental analytics?

- Popularity: Total number of calls per city divided by states

City	# of calls	Rank
Manhattan	142325 + 1	1
Queens	54646	2
Brooklyn	41244	3

- NY **Manhattan** 05:34 6/30/14 Find out which city -> increment the number of calls

- Busiest Days:

- Store the amount of data in table

City	Days of Week (same percentages for each of week)
Manhattan	[ 11654 + 1, 16168, 17814, 18343, 19891, 18507, 12458 ]
Queens	[ 603, 668, 682, 658, 707, 663, 606 ]
Brooklyn	[ 500, 628, 513, 546, 607, 529, 501 ]

- NY **Manhattan** 05:34 6/30/14 = **monday** -> find out which day, then increment it for that city

- Platform Comparison

- Month Base

Month	Uber	Lyft
July	12894	138989
August	12412	124
September	142324 + 1	124124

- Date Based

Date	Uber	Lyft
9/3/2014	12894	138989
9/4/2014	12412 + 1	124

- NY Manhattan 05:34 9/4/2014, **Uber**

- Time of the Day

Time	# of calls
0-1	314
1-2	124
2-3	124
3-4	1241
5-6	4124 + 1
6-7	124
7-8	124124
8-9	12412
9-10	421

- NY Manhattan 05:34 9/4/2014 find what hour, then increment

- Active Vehicles

Date	# of active Vehicle
8/1/2015	1239 + 31993
8/2/2015	12341
8/3/2015	412412
8/4/2015	4124

- 8/1/2015 31993 add to the existing value

- Compare 3

TYPE	[w1, w2, w3, w4, w1, w2, w3, w4, w1, w2, w3, w4]
uber	[534,546,3424,234,1242,535,2342,2342,34,3231,42,123]
dial	[534,546,3424,234,1242,535,2342,2342,34 + 1,3231,42,123]
lyft	[534,546,3424,234,1242,535,2342,2342,34,3231,42,123]

- NY Manhattan 05:34 9/4/2014 -> week 1 of september dial7

**Breakdown the goals into the actionable tasks/Taskboard:**

- David:
  - Jtest
  - Anything to change
  - Refactor Code
- Melanie:
  - Test case (jtest)
  - Break the website
- Khuaja:
  - Popularity
  - Busiest Days
  - Time of the Day send per hour data
  - Active Vehicles
- Jason:
  - Compare 3
  - Platform Comparison
- Surya:
  - Create insert/update/delete for lat/lon and active vehicle data

**Define task completeness criteria (test cases if needed)**

- Adding a new value to the datasets, updates our incremental design.
- Once an analysis is done, create the incremental design
- Searching through the data is now much faster compared.