

04/07 using correct schema

For below plots, we focus on a submarket: NYCNJ/NYCW

Time:

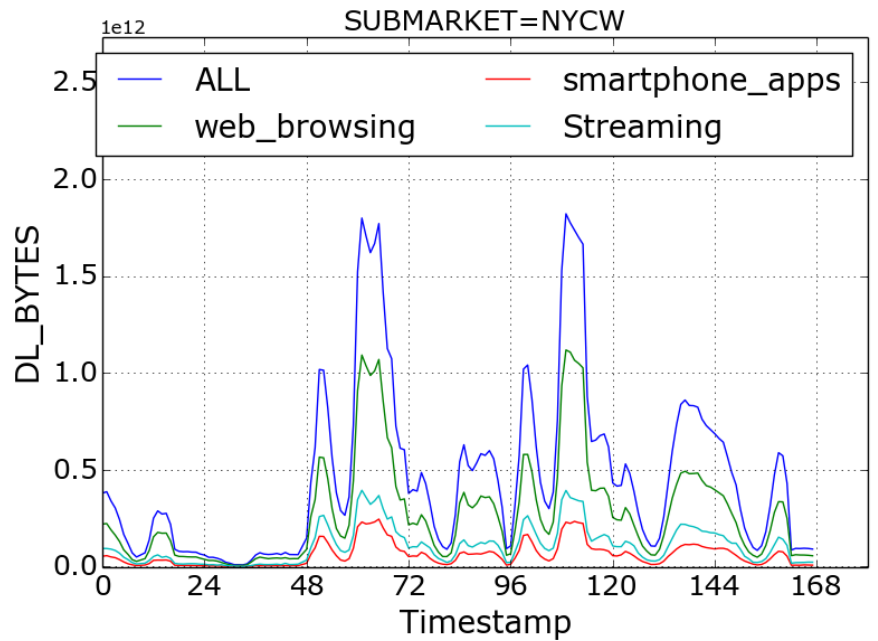
12/01/2014-12/07/2014

Field:

DL_BYTES

Takeaway:

Although we see similar traffic volume for each day (compared to previous plots), streaming takes more portion, since right now it's Downlink and previous plots are for Uplink...



Time:

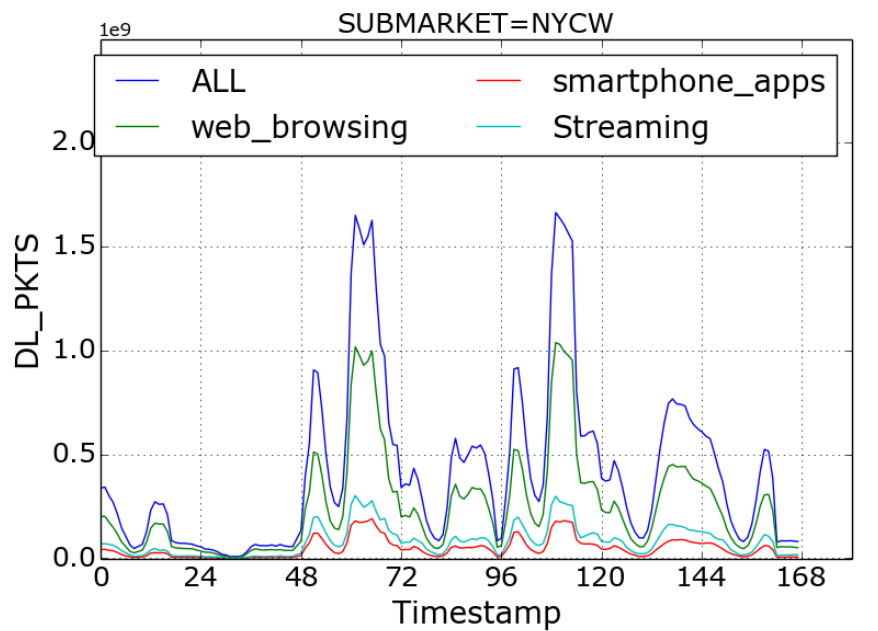
12/01/2014-12/07/2014

Field:

DL_PKTS

Takeaway:

DL_PKTS correlates nicely with DL_BYTES.



Time:

11/03/2014-11/09/2014

(still Monday to Sunday)

Field:

DL_BYTES

Takeaway:

I suspect data for some days are not complete. I've ran

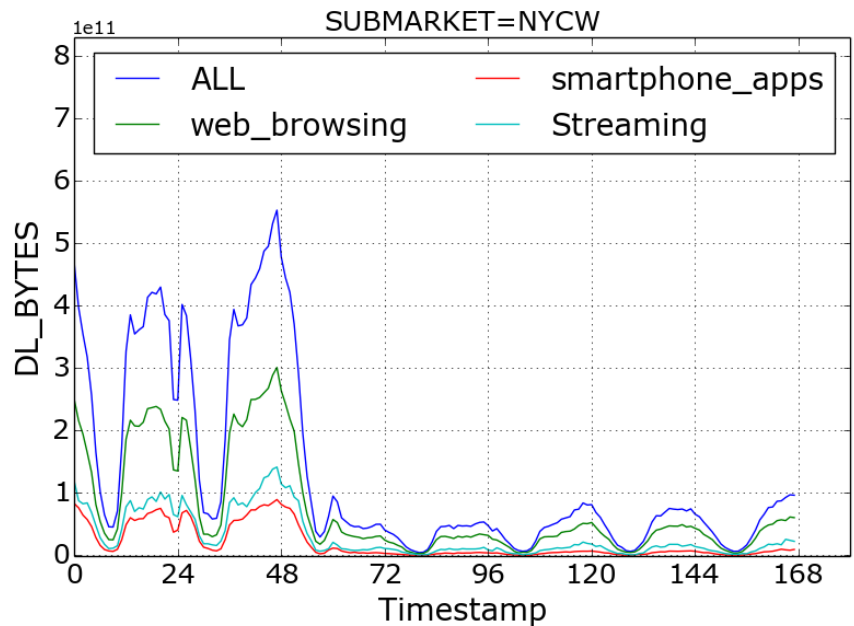
12/01/2014-12/07/2014, and also

11/03/2014-11/09/2014. I found that

11/03-11/09 runs much faster than

12/01-12/07, indicating much smaller data files.

For 12/01-12/07 data (above two plots), traffic peaks at 12/03, I found that 12/03 *LTE*BA* contains 51752352 rows in 24 files, however 12/02 only contains 868567 rows in 24 files (60x rows!) I checked two files (one for 12/03 and one for 12/03), the 12/03 file contains 2991055 rows while 12/02 file contains 48797 rows (61x!) but they contains similar amount of unique ENODEB ids (2929 vs. 2424). I didn't go deeper, my guess is that good days' data contains more rows for each individual ENODEB than bad days' data, although good days' data and bad days' data covers similar amount of ENODEBs.

**Time:**

11/03/2014-11/09/2014

(still Monday to Sunday)

Field:

DL_PKTS

