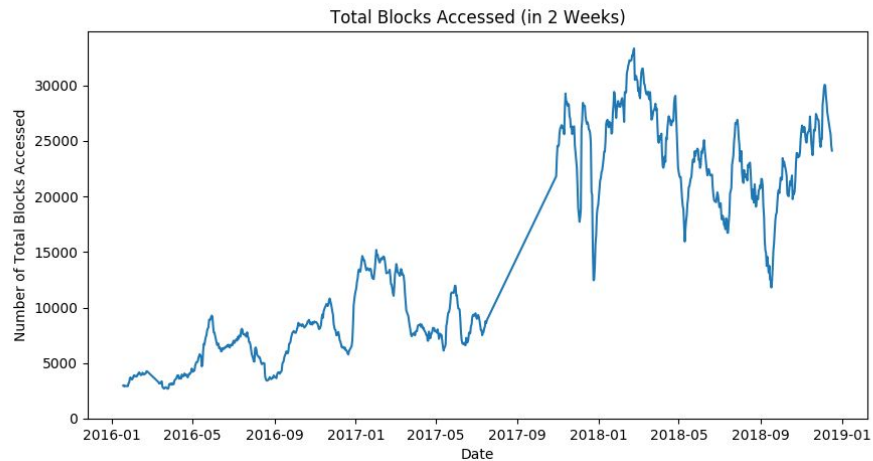
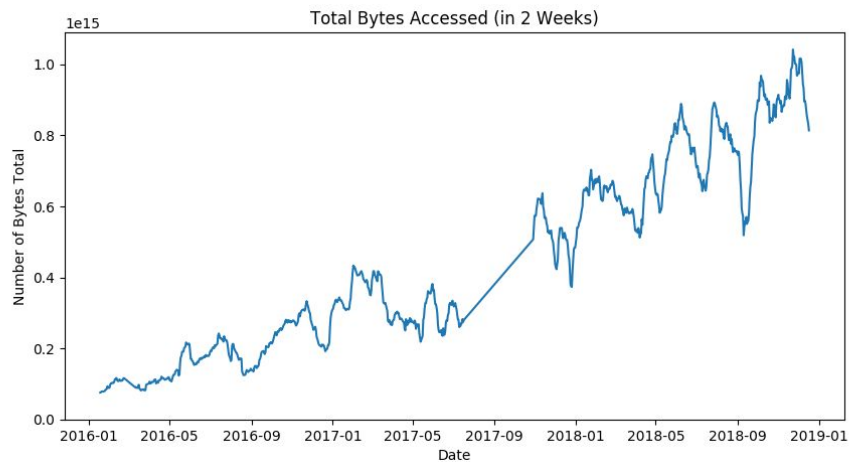
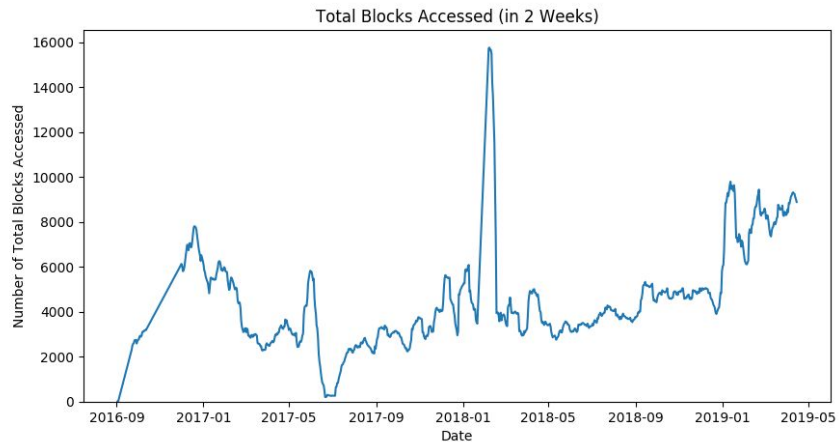


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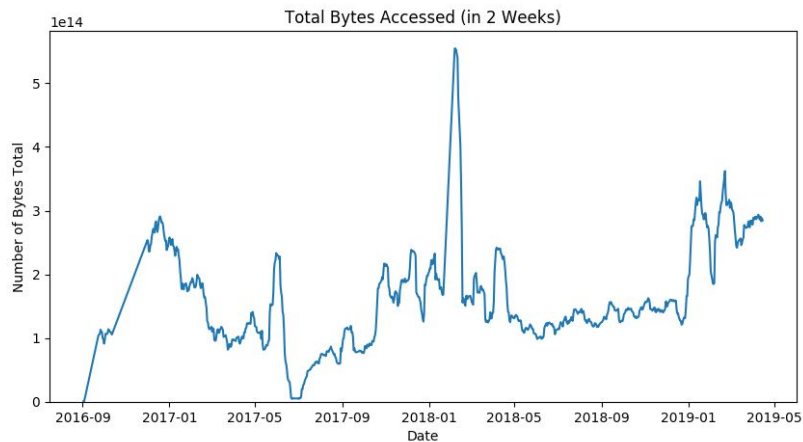
Previously, we had a defunct classads working set. This working set had a gap in block accesses around September of 2017.

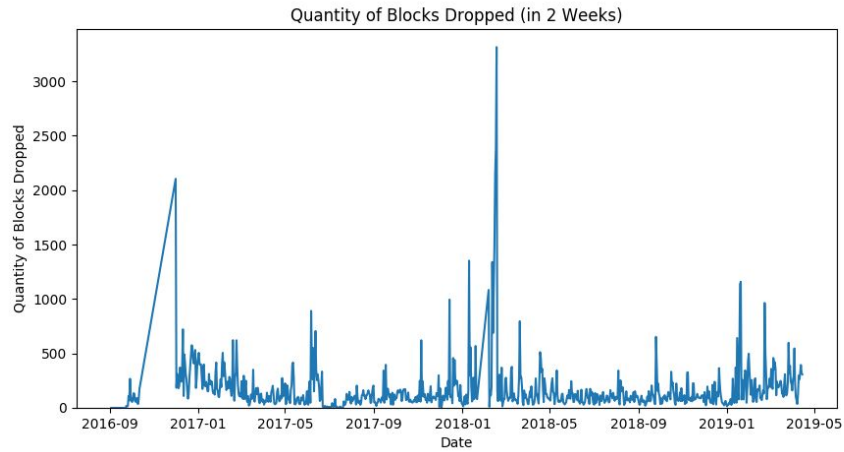




Since last week, we had received a revised set from Nick.

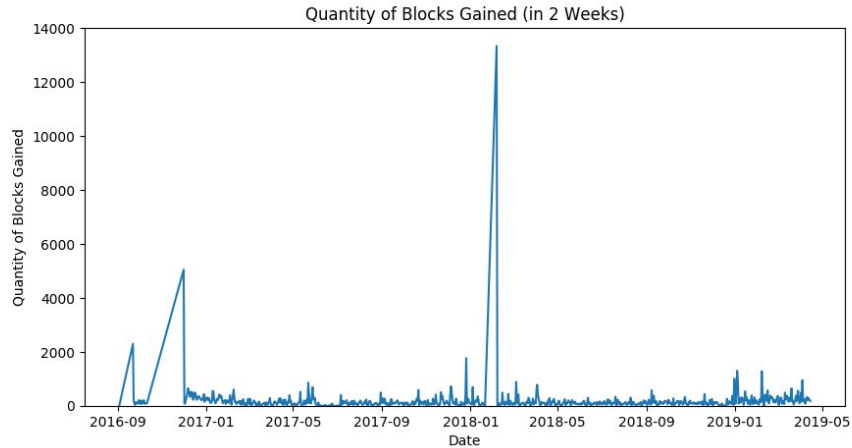
The plots that show the quantities of blocks/bytes accessed within a two week period as a function of time are shown to the left.

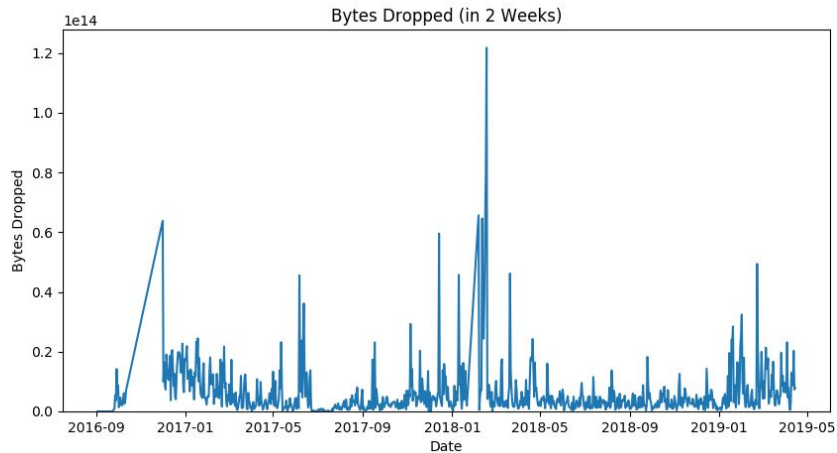




The revised plots for the blocks gained/dropped are also shown here.

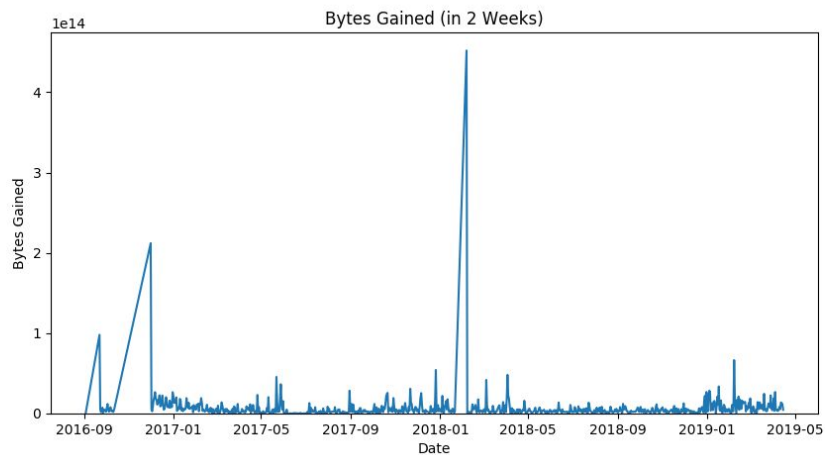
Plots show the quantity of dropped/gained blocks (from the set of accessed blocks in a 2 week time window) as a function of time.

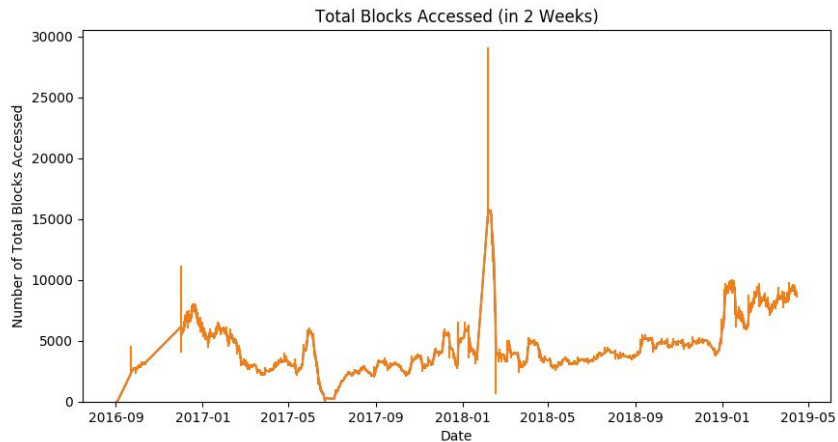




One of the extensions from last time was to show the bytes dropped/gained (as opposed to just the quantity of blocks dropped/gained).

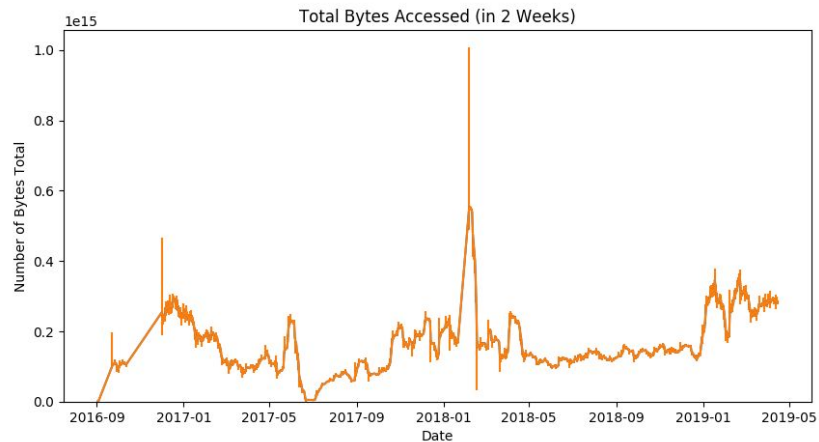
These plots show the quantity of dropped/gained bytes (from the set of accessed blocks in a 2 week time window) as a function of time.

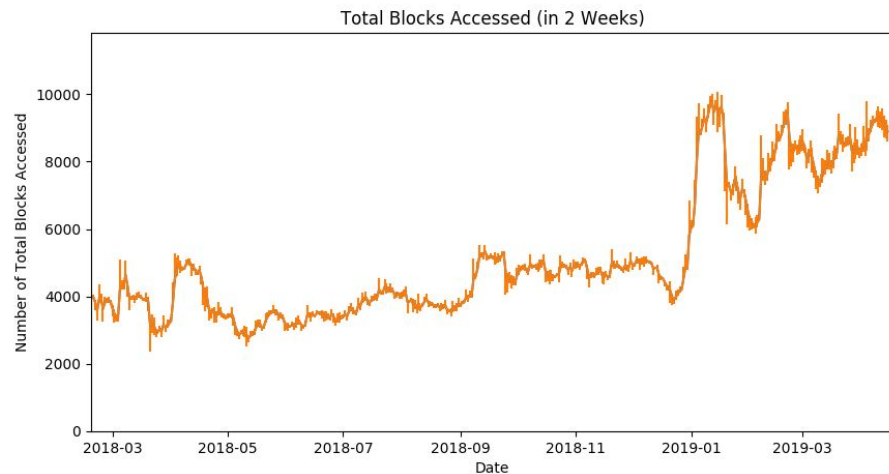




Using the blocks/bytes gained as positive error bars and the block/bytes dropped as negative error bars we can produce the following graphs.

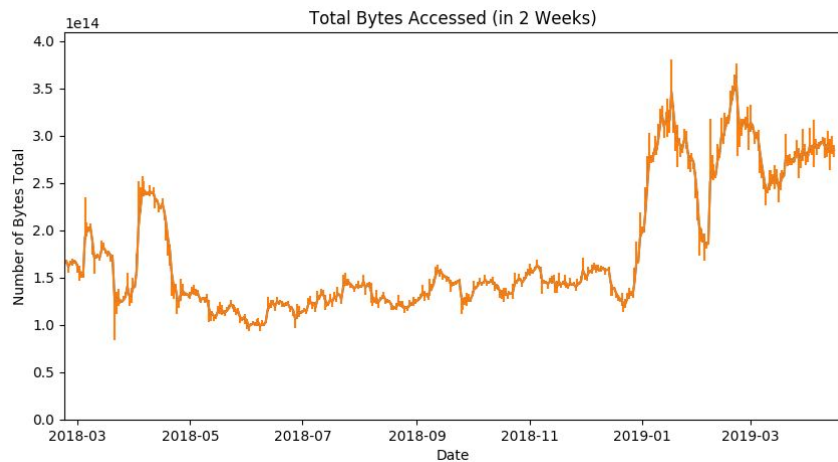
At this scale, most of the error bars are too small to see. Note that around January 2018, there is a huge spike.

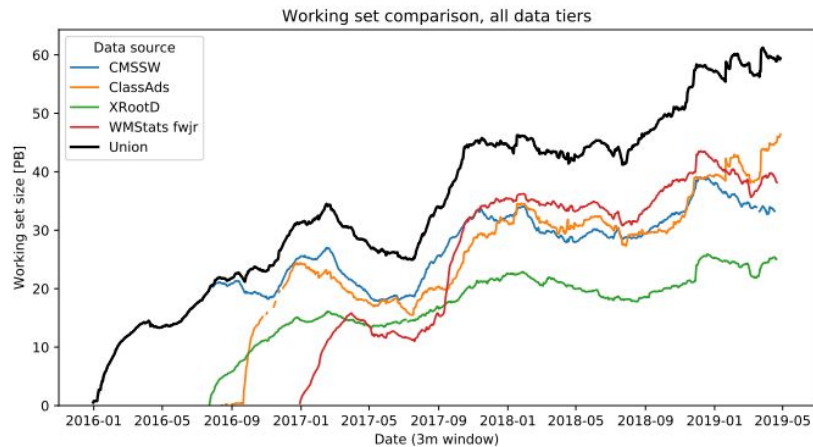




This is a close up of the total blocks/bytes accessed (within a 2 week period) as a function of time (but only from March 2018 to March 2019).

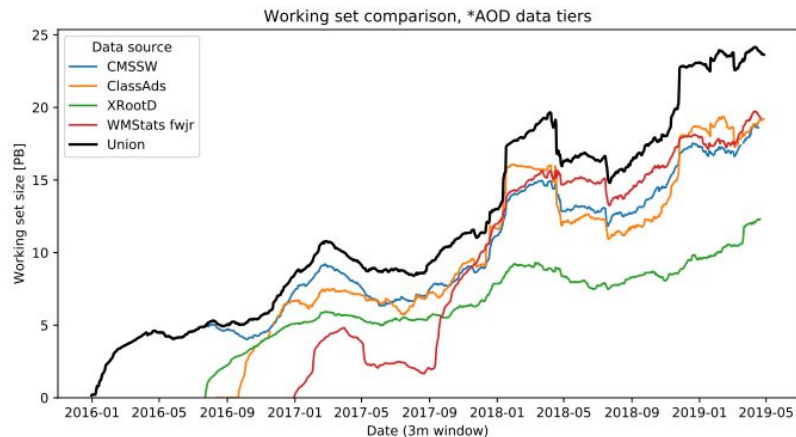
At this scale, this error bars are more noticeable, but are still small.





Looking at the plots that characterized the sizes of the working set (as provided by Nick), we do see a jump in block access around January 2018.

However, there is also another jump in block access between September 2018 and January 2019. While there is a small spike reflecting this in the previous graphs, its magnitude is nowhere near that of the January 2018 spike.



Extensions

- Investigate spike (check to see if it is a bug) (Investigating blocks accessed around January 2018 individually)
- Do a characterization of the new working set
- Ask Frank whether or not we need to filter by Crab_Jobs for the new dataset