Here are some observations and graphs for “features.csv”. At this point all of these are for exploratory purposes; any of these which become relevant to preprocessing done can be touched-up and included in the report.

**Figure 1: Change in CPI with respect to time, for each store**   
  
We can see that the CPI increases steadily over time for each store in a roughly linear fashion. I think we can assume a somewhat linear increase. There are 13 values for each store, at the end of the time period, which have no recorded CPI value (specifically, they say “NA”. One wonders why it would not be applicable—something I’ll look into.) The time frame for the uncollected values in each case is between 5/3/2013 and 7/5/2013.

**Figure 2: CPI Levels per store**  
As expected, each of the 45 stores occupy a small range with outlier points (the aforementioned “NA’s”.)

**Figure 3: Markdowns over time**  
Apparently WalMart had a markdown explosion commencing on 9/14/2011. Strange.