NYC Taxi

Working with the pre-computed files:

* Because of not working with the database and sql file pre-computed files were used to run the code. They have to be loaded in before working with the code.
* The helpers\_2017.R file sets the qualities of the graphs produced in the analysis\_2017.R
* Notes were added to the script to have a more detailed information on what the codes are doing
* The script creates the main data frame first and then a series of data frames with looking at all pick ups/ Manhattan pick ups/ central Manhattan pick ups/ pick ups at airports and pick ups on the outer boroughs excluding airports on a monthly basis (separate car types and parent types as well)
* Marketshare and hourly pick ups (especially around the one hour long strike on 2017 01 21) are also examined
* Also visualizing whether Clinton and Stein vote % and Lyft market share are correlated or not
* The script also creates ggplot objects which are saved as png to the working directory
* In some cases yval columns are created and added to the data frames which are set later as the y aesthetics of the graphs. They usually match the values in the monthly column but in some cases some numbers are subtracted or added to some car types. The numbers seem to be added and subtracted to make the plots nicer (leave space on the y-axis above the lines) although I still haven't figured out on what basis are they added once and subtracted the other time and also don't get the chosen values.