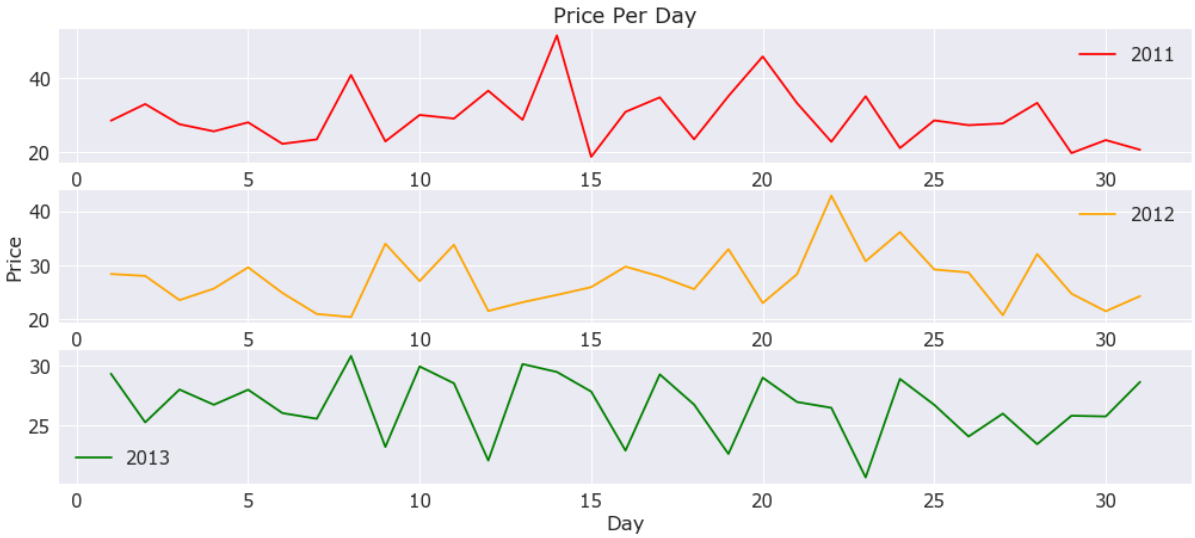
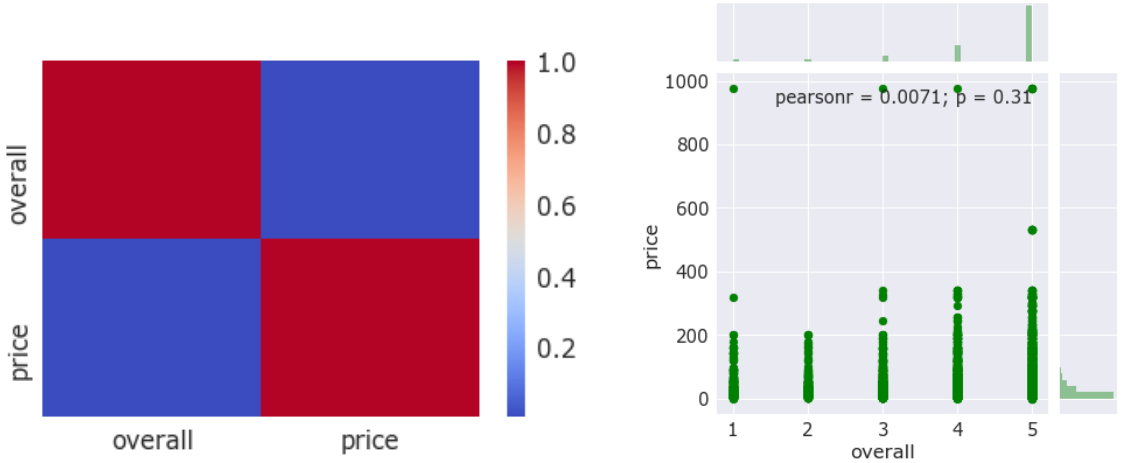
Dude, where's my car?

Did your car get stolen recently? Did you get it back in 1 piece? How many parts are you missing? The Amazon Automotive Dataset can help you find quality parts at a good price.

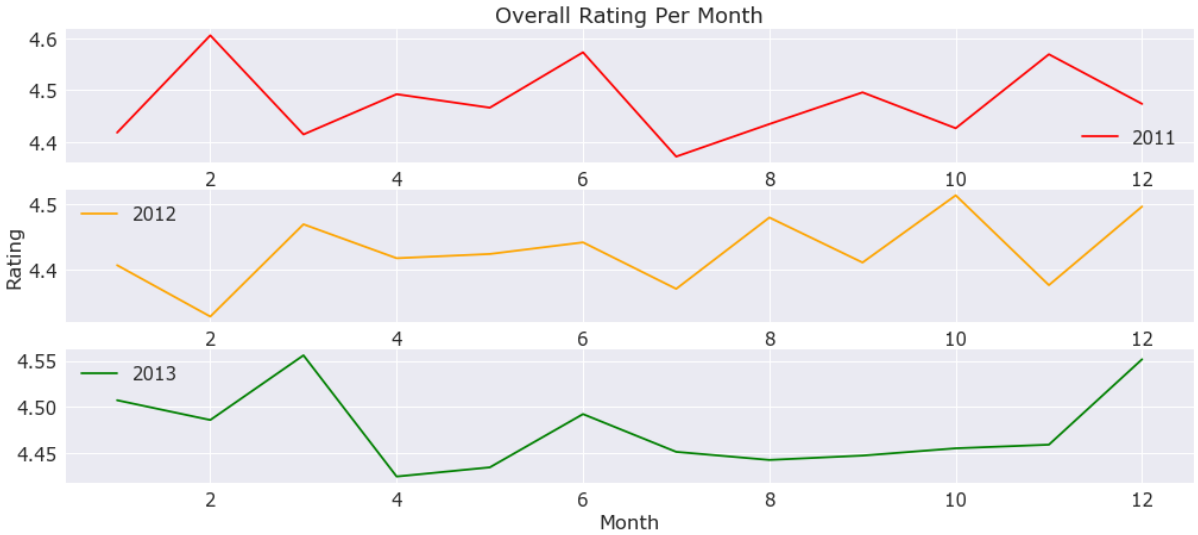


The figure above shows the average reviewed price per day for a given year, the 2013 plot holds the most reviews and it is the most recent year reviewed thus it's curves are the most reliable. It can be concluded that between the 5th day and the 25th day of every month, the price fluctuates every 3 to 4 days, so it is best you wait a couple of days before you press that 'order' button.

If you are worried about the quality of your soon-to-be purchase and are wondering when the best reviews come in (because sometimes manufacturers produce higher quality items during peak seasons, you could say that is unethical but anyway), worry no longer. You could say that this heat map and joint scatter plot show no correlation between price and customer satisfaction.

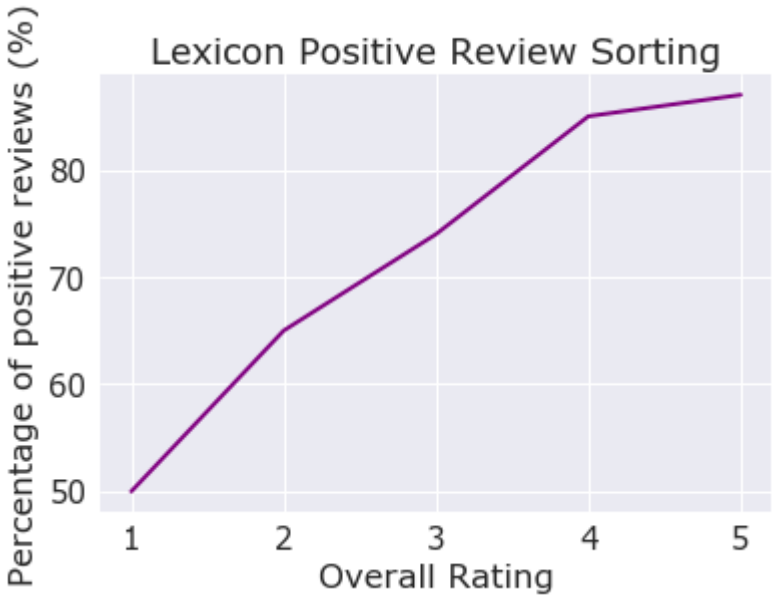


But then explain this?



Knowing that the 2013 data is the most credible, it is clear that most customers who have purchased and reviewed their products (assuming the reviews are done within 1 month of purchase) in March, July and December are the most satisfied. Need further proof? The 2012 data shows the same customer satisfaction peaks, along with an added few peaks that can be explained as random variance due to the nature of the size (fewer 2012 data than 2013 data).

What if I told you people are left more satisfied with automotive parts than you think?



Using lexicon review sorting, (assuming accuracy) it was found that 50% of meant-to-be negative reviews, had positive textual feedback! You can think of this as troll detection that further increases the overall ratings of 2013, all the more reason for you to buy your soon-to-be-your products in the said peaks.