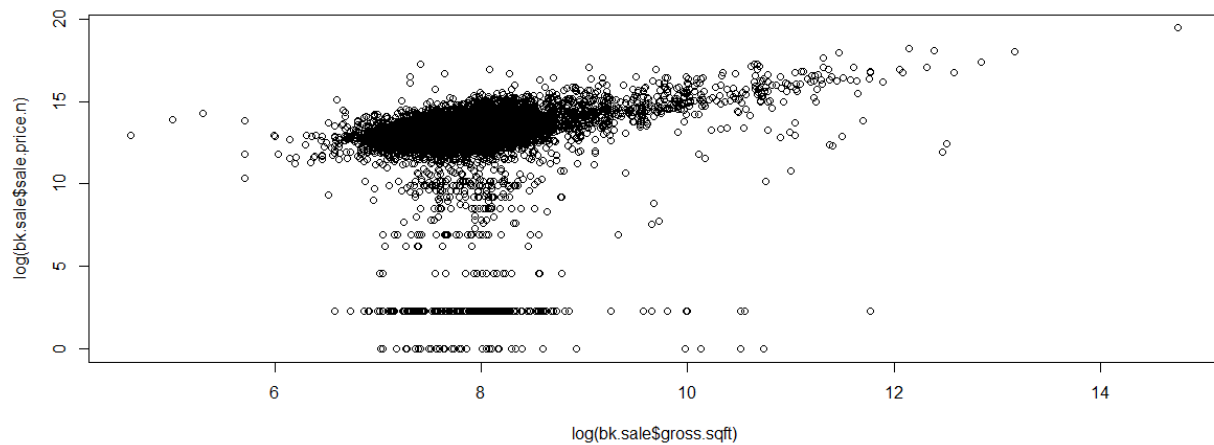


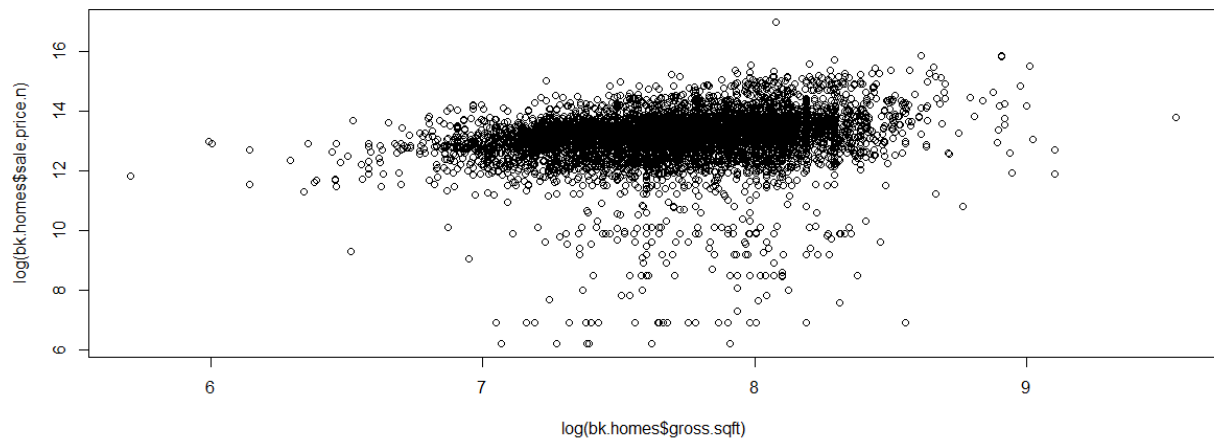
### PROBLEM 3

(a) We perform EDA on Brooklyn borough data as guided by the book and generate following analysis:

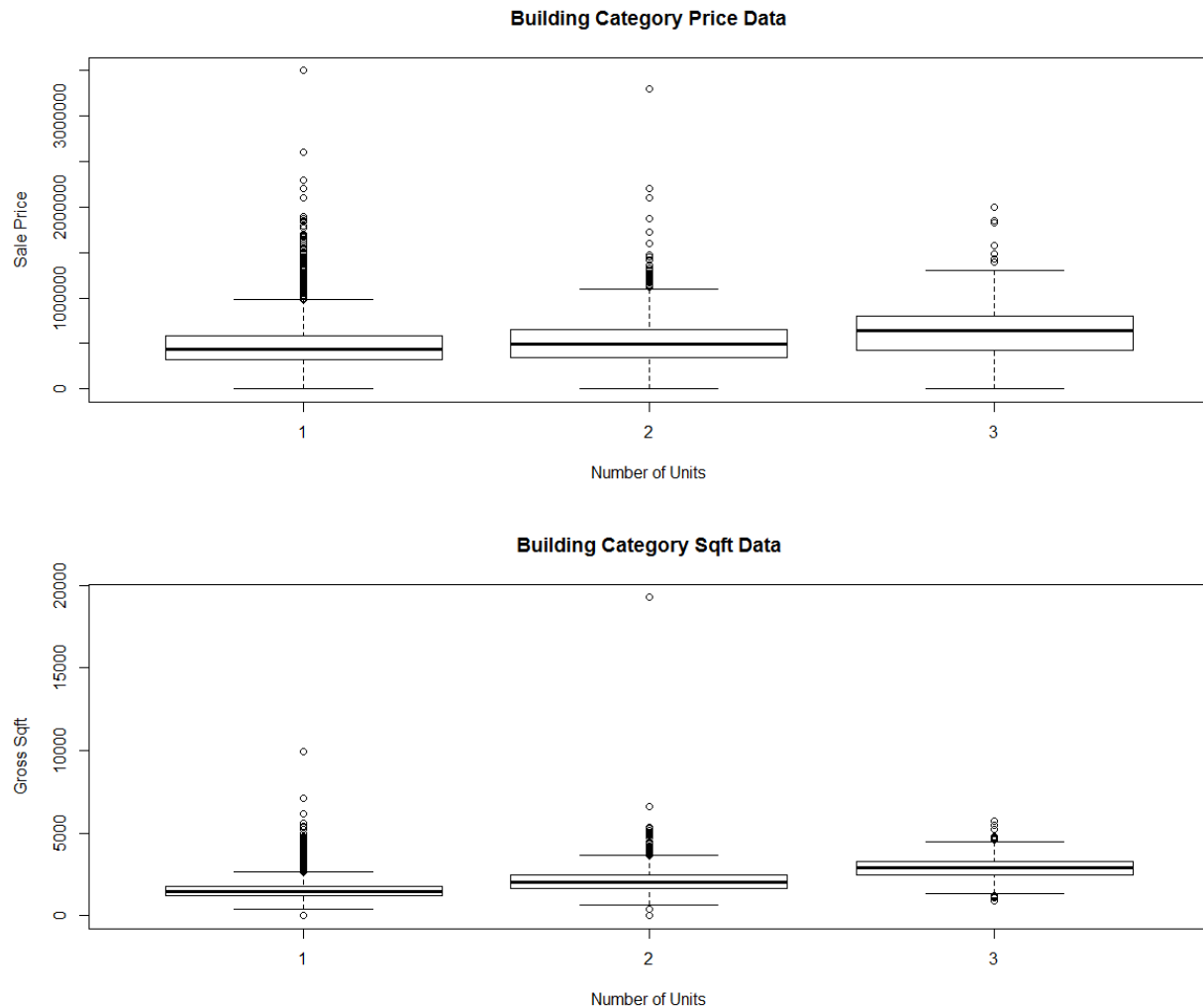
The below chart gives a basic plot of Sale Prices of the properties vs their area of all the properties. We take log of the values to give us a more meaningful results.

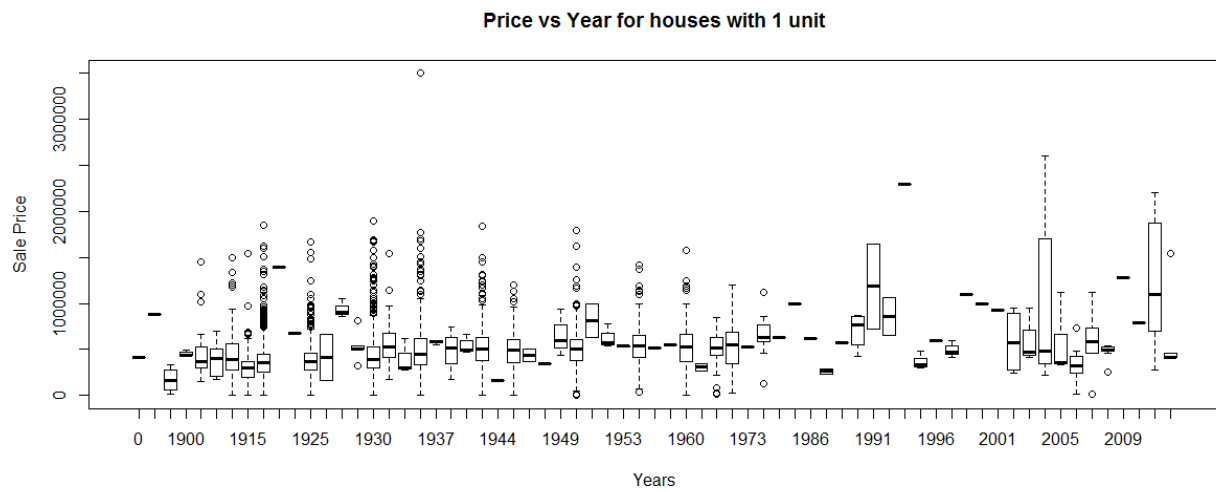
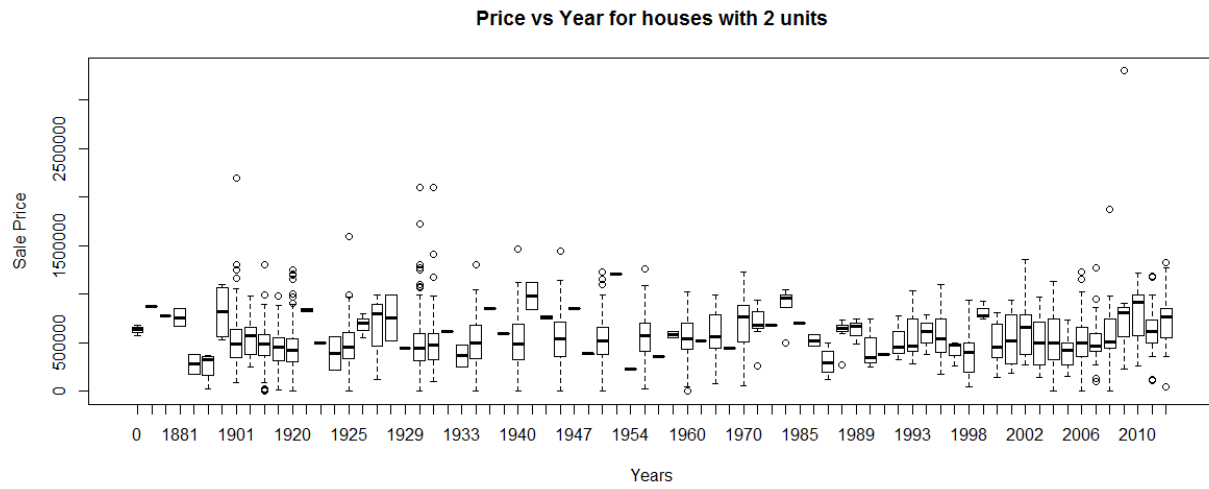
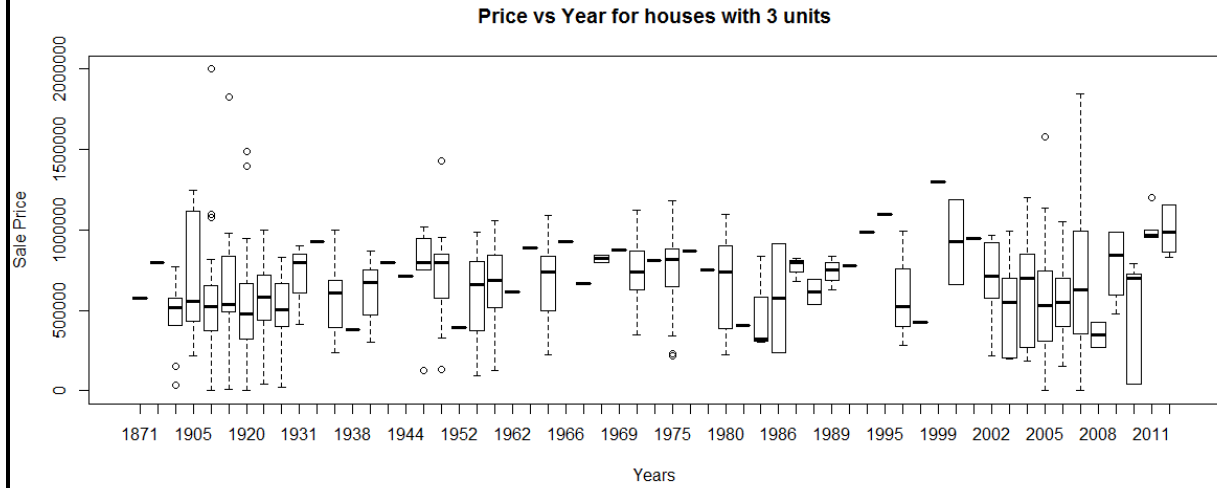


The below chart gives a basic plot of Sale Prices of the properties vs their area of only the residential properties. We take log of the values to give us a more meaningful results.

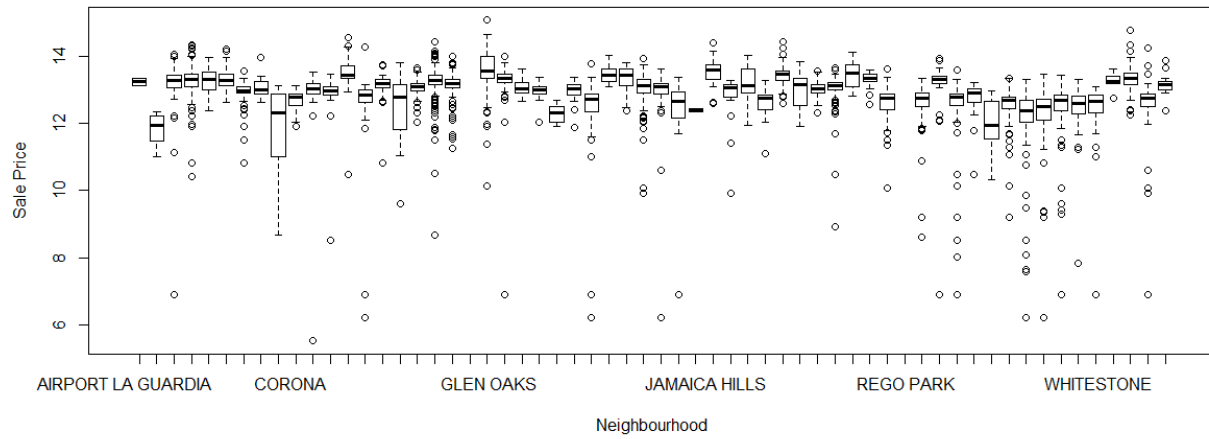


- (b) We extend this EDA to the borough data of Queens and do further analysis based on the price change with respect to neighborhood and the year the property was built in, while categorizing the properties based on the number of units they have. The analysis is shown in following charts:

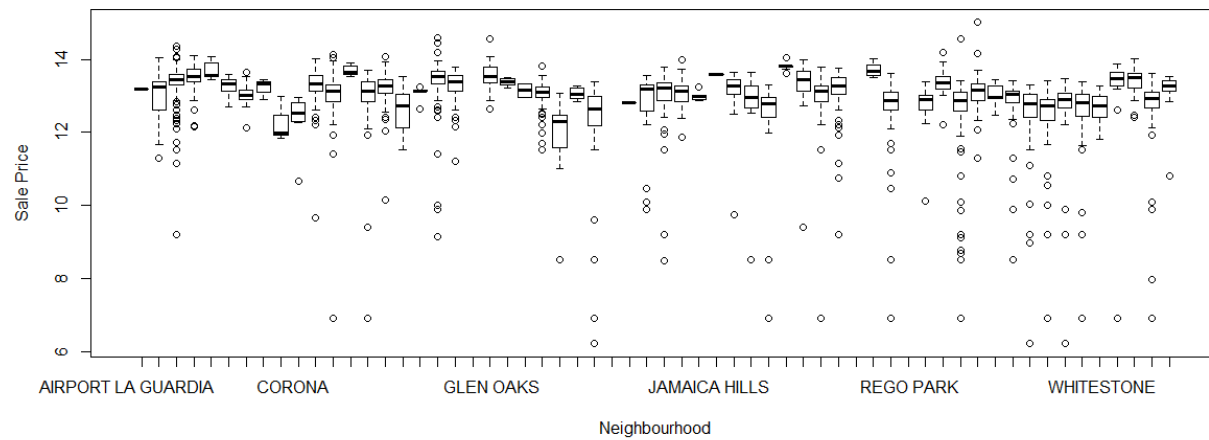




Price vs Neighbourhood for houses with 1 unit



Price vs Neighbourhood for houses with 2 units



Price vs Neighbourhood for houses with 3 units

